"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRASOVSKIY, Ya.E., prof., doktor tekhn.nauk; SHILOV, P.M., prof., doktor tekhn.nauk; RUBINSKIY, Yu.M., dotsent, kand.ekon.nauk

Textbook on industrial organization and planning ("Industrial organization and planning in coal mines" by S.M.Bukhalo. Reviewed by IA.E.Nekrasovskii, PM.Shilov, IU.M.Rubinskii). Ugol' Ukr. Vol.3 no.5:44 My '59. (MIRA 12:9)
(Coal mines and mining)

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NEKRASOVSKIY, Yakov El'konovich; RYMAR, Israil' Mironovich; KALMYK, M.K., otv.red.; ZHUKOV, V.V., red.izd-va; SABITOV, A., tekhn. red.; SHKLYAR, S.Ya., tekhn.red.

[Rapid development mining] Opyt skorostnogo provedeniia podgotovitel'nykh vyrabotok. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960. 92 p. (MIRA 13:7)
(Coal mines and mining)

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NEKRASOVSKIY, Ya.E., doktor tekhn.nauk; TROFIMENKO, P.M., gornyy inzh.

Basic design of a coal plow and plowing unit for mining thin steeply pitching coal seams. Ugol' Ukr. 4 no.5: 3-6 My '60. (MIRA 13:8)

1. Dnepropetrovskiy gornyy institut.
(Coal mining machinery)

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NEKRASOVSKIY, Ya.E., prof., doktor tekhn.nauk; ANISHCHENKO, Ye.Ye., inzh.
SAVOST'YANOV, A.V., inzh.

Analysing the basic factors affecting the work indices in mine sections. Ugol' Ukr. 4 no.9:8-11 S '60. (MIRA 13:10)
(Stalino Province--Coal mines and mining)

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NEKRASOVSKIY, Ya.E., prof.; LOKSHIN, B.S., dotsent

Coal mining in steeply pitching seams with DGI-type chain saws. Izv. vys. ucheb. zav.; gor. zhur. no.10:3-8 '60. (MIRA 13:11)

1. Dneprupetrovskiy gornyy institut imeni Artema.
(Coal mining machinery) (Chain saws)

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NEKRASOVSKIY, Ya.E., prof., doktor tekhn.nauk; ANISHCHENKO, Ye.Ye., inzh.; SAVOST'YANOV, A.V., kand.tekhn.nauk

Effect of basic mining engineering factors on the technical and economic indices of mine section operations in the central Donets Basin. Ugol' 36 no.3:31-35 Mr '61. (MIRA 14:5)
(Donets Basin—Coal mines and mining)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRASOVSKIY, Ya.E.; LOKSHIN, B.S.; MASEVICH, M.V.; GRISHKO, N.T.

Mechanization of the mining of thin flat coal beds. Ugol. prom. no.5:51-53 S-O '62. (MIRA 15:11)

1. Dnepropetrovskiy gornyy institut im. Artema.
(Coal mines and mining)

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SHEVYAKOV, L.D., akademik; IVANOV, A.M.; BUBYR', V.A., gornyy inzh.; MONIN, M.I., gornyy inzh.; NEKRASOVSKIY, Ya.E., doktor tekhn.-nauk; SHCHUKIN, V.R.

Readers' response to A.A.Shamin, A.M.Belen'kii, and A.V.Galkin's article "Pillar systems of mining flat seams without undermining the wall rock in the development operations." Ugol' Ukr. 6 no.9:43-47 S '62. (MIRA 15:9)

1. Upravlyayushchiy trestom Rutchenkovugol' (for Ivanov).
2. Gosudarstvennyy institut po proyektirovaniyu shakhtnogo stroitel'stva v yuzhnykh rayonakh SSSR (for Bubyr', Monin).
3. Dnepropetrovskiy gornyy institut (for Nekrasovskiy).
4. Nachal'nik upravleniya Donetskogo okruga Komiteta po nadzoru za bezopasnym vedeniyem rabot v promyshlennosti i gornomu nadzoru pri Sovete Ministrov UkrSSR (for Shchukin).
(Shamin, A.A.) (Belen'kii, A.M.) (Galkin, A.V.)

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YAROVOY, A.P.; NEKRASOVSKIY, Ya.E.; LOKSHIN, B.S.; RAKHUTIN, V.S.

Mechanization of coal extraction by means of KMS small-range plows in mining steeply dipping Donets Basin seams. Ugol' 37 no.3:29-31 Mr '62. (MIRA 15:2)

1. 3-ye shakhtoupravleniye tresta Ordzhonikidzeugol' (for Yarovoy). 2. Dnepropetrovskiy gornyy institut im. Artema (for Nekrasovskiy, Lokshin, Rakhutin).
(Donets Basin--Coal mining machinery)

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POPOV, Georgiy Nikolayevich; NEKRASOVSKIY, Ya.E., prof., retsenzent; TARTAKOVSKIY, B.N., kand. tekhn. nauk, retsenzent; ARSENT'YEV, A.I., dots., retsenzent; LAVRINENKO, V.F., dots., retsenzent; KULIKOV, V.V., kand. tekhn. nauk, otv. red.; PARTSEVSKIY, V.N., red.izd-va; SHKLYAR, S.Ya., tekhn. red.; MAKSIMOVA, V.V., tekhn. red.

[Working mineral deposits] Razrabotka mestorozhdenii poleznykh iskopaemykh. 2., perer. i dop. izd. Moskva, Gosgortekhizdat, 1963. 588 p. (MIRA 16:7)
(Mining engineering)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRASOVSKIY, Ya.F., prof., doktor tekhn. nauk; KOLOKOLOV, O.V., kand. tekhn. nauk

Technology of filling operations in the Central Donets Basin Region and ways of improving it. Ugol' 38 no.12: 14-18 '63. (MIRA 17:5)

1. Dnepropetrovskiy gornyy institut.

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OSTROVSKIY, Semen Moiseyevich; PETRENKO, Yevgeniy Vasil'yevich; KOREVEV, Veniamin Grigor'yevich; BOYKO, A.A., retsenzent; BELOSVETOV, ..V., red.; VYSOCHIN, Ye.M., red.; DVOYKIN, A.I., red.; DENISENKO, A.I., red.; LOKSHIN, B.S., red.; MARSHAK, I.S., red.; NAYEROV, R.Ya., red.; NEKRASOVSKIY, Ya.E., red.; RAZUSHNYY, A.A., red.; RIPP, M.G., red.

[Handbook for Donets basin miners] Spravochnik shakhtera Donbassa. Moskva, Izd-vo "Nedra," 1964. 411 p.
(MIRA 17:7)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRASOVSKIY, Ya.E., prof., doktor tekhn. nauk; ZHETESOV, S.S., gornyy inzh.

Effect of the seam thickness on the basic technical and economic indices of a longwall in the mining of thick horizontal coal seams. Ugol' 40 no.8:30-32 Ag '65.
(MIRA 18:8)

1. Dnepropetrovskiy gornyy institut.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRASOVSKIY, Ya.E.; KOLOKOLOV, O.V.

Mining steep thin seams with complete filling. Izv. DGI 42: 157-166 '64. (MIRA 18:11)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRASOVSKIY, Yu.Ya., gornyy inzh.-mekhanik

Calculation of stresses in blasted rock during excavations.
Gor.zhur. no.4:51-53 Ap '64. (MIRA 17:4)

1. Zhdanovskiy zavod tyazhelogo mashinostroyeniya.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRICH, A. M.

Dissertation defended for the degree of Doctor of Historical Sciences in the Institute of History

"Foreign Policies of the United Kingdom During the Second World War (September 1939 - June 1941)."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

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PHASE I BOOK EXPLOITATION SOV/5244

Nekrich, Khaim Abramovich

Novyy pribornyy amortizator tipa AFD (New Instrument Shock Absorber, Type AFD) Leningrad, 1960. 16 p. (Series: Leningradskiy dom nauchno-tekhnicheskoy propagandy. Obmen peredovym opytom, no. 55. Seriya: Pribory i elementy avtomatiki, vyp. 10) 5,500 copies printed.

Sponsoring Agency: Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy RSFSR.

Ed.: B. S. Epshteyn; Ed. of Publishing House: V. A. Shilling; Tech. Ed.: V. L. Gvirts.

PURPOSE: This technical booklet is intended for engineers and designers.

COVERAGE: The booklet describes construction and operating characteristics of the AFD instrumentation shock mount (vibration

Card 1/3

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absorber) for providing dry-friction damping. Transmissibility characteristics are shown for the range of frequencies between 0 and 200 cps. The effective range of isolation is about 40 cps. In this range input accelerations of 5 g and larger are damped to 1 - 1.5 g, whereas accelerations of less than 5 g result in output levels of approximately 1.0 g. Recommendations and restrictions on installation and alignment are also presented, as are comments regarding applications. This shock mount is in mass production and has been successfully used in various applications. No personalities are mentioned. There are 2 references, both Soviet.

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Introduction 3

Types of Shock Absorbers 4

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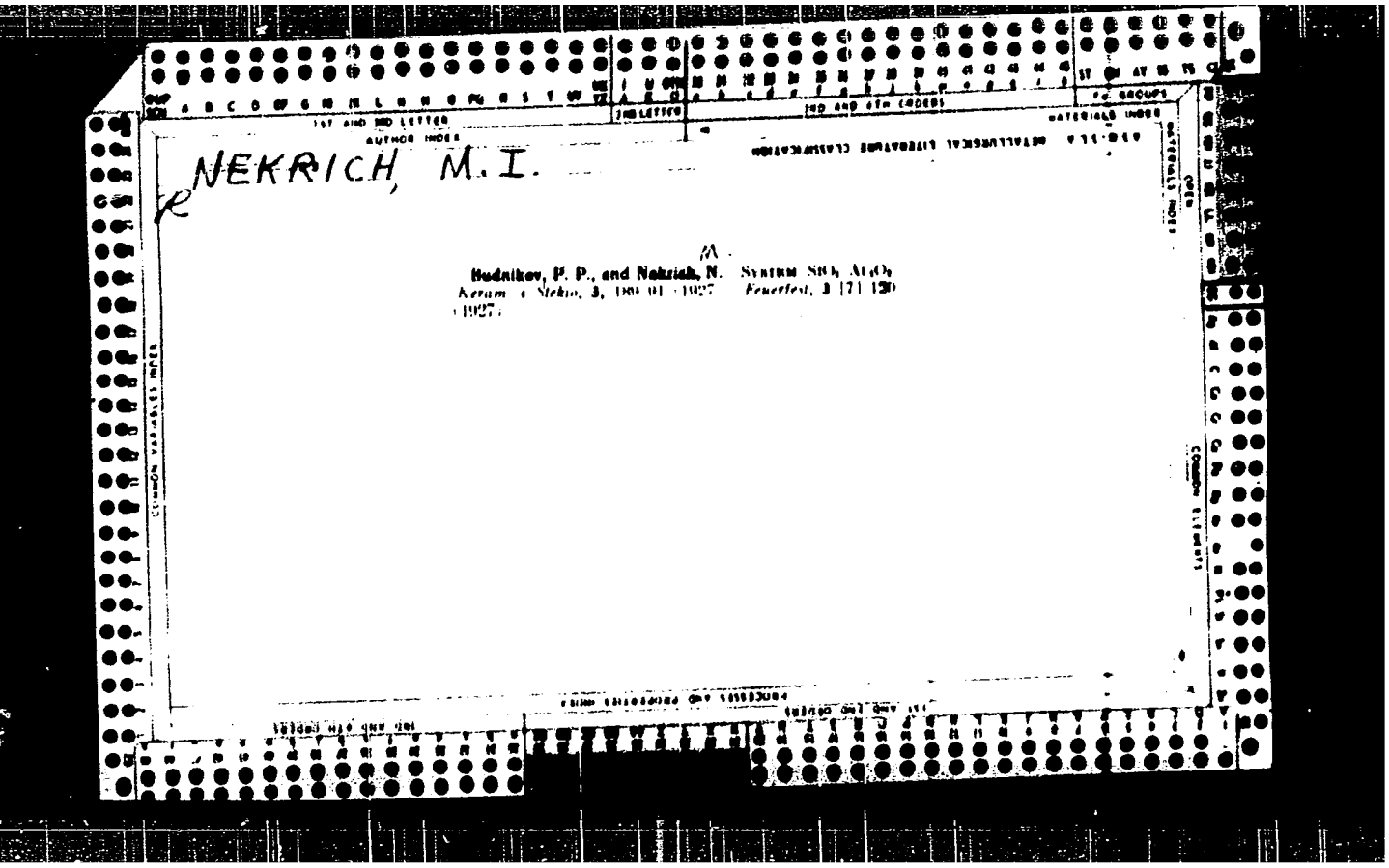
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BUDNIKOV, P.P.; NEKRICH, M.I.

Theory of milling building materials. Trudy MKHTI no.21:2-25 '56.
(Building materials)(Milling machinery) (MIRA 9:9)

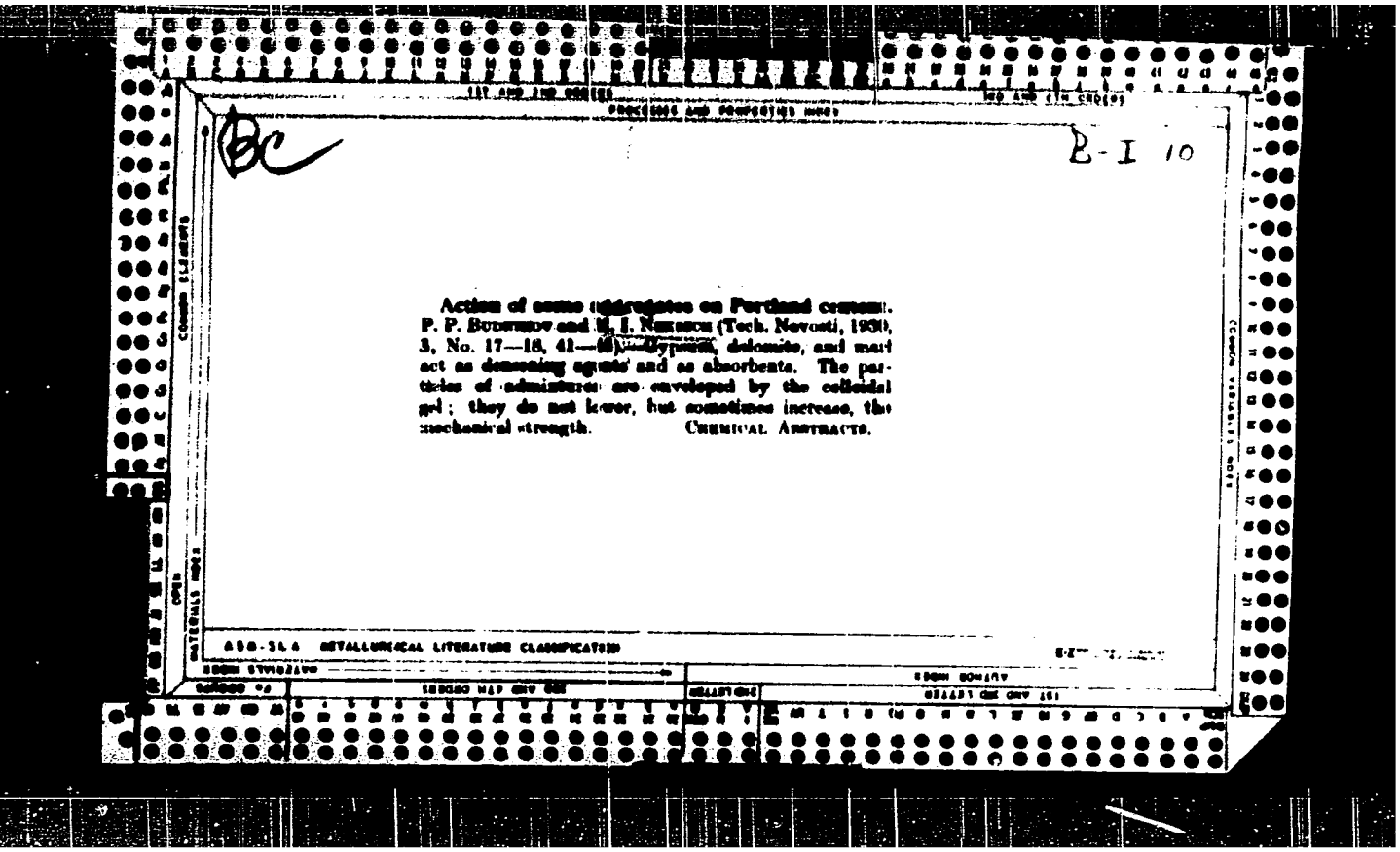
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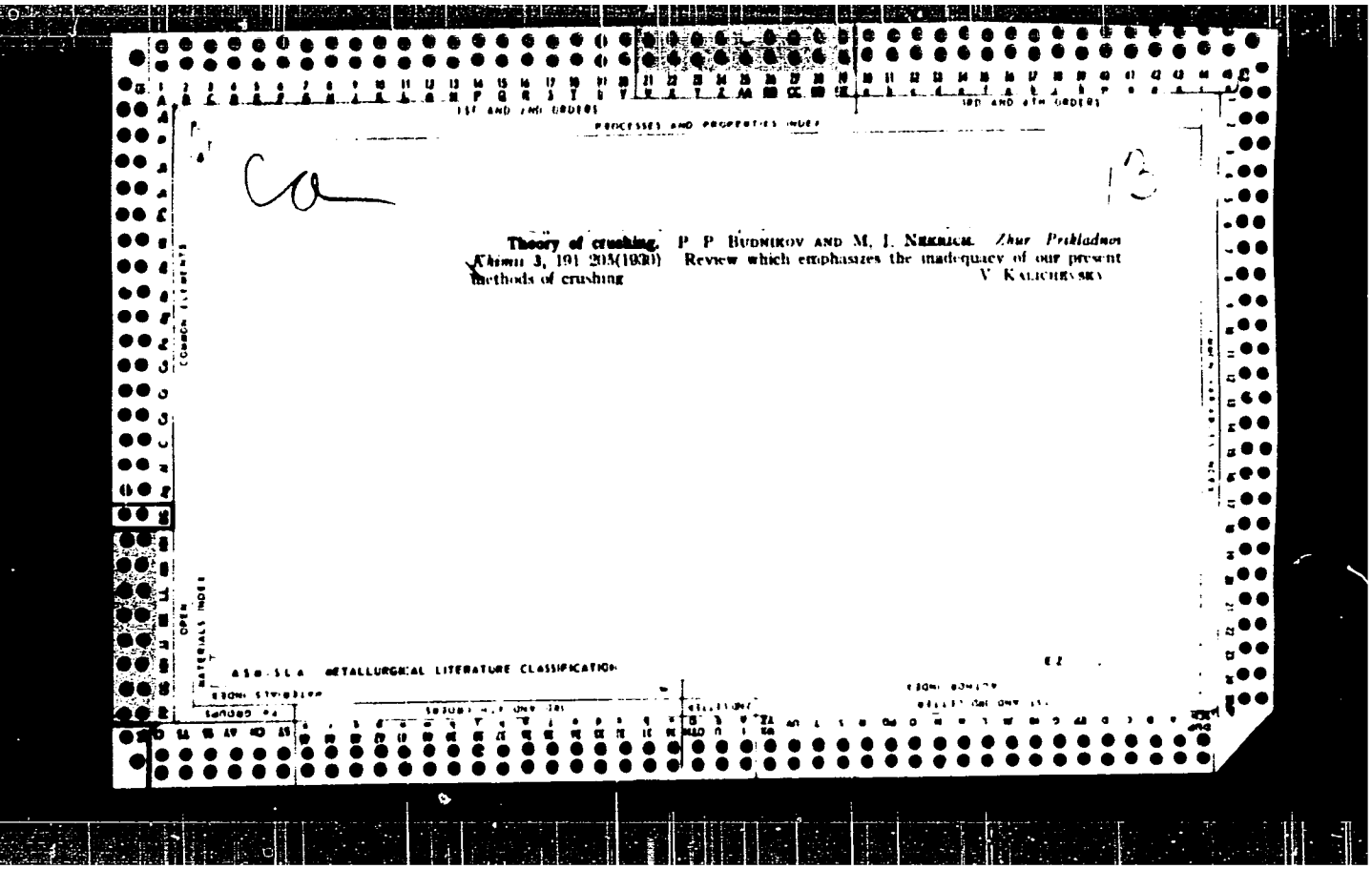
B-I 10

Action of some aggregates on Portland cement. P. P. Budnikov and M. I. Nemenov (Tech. Novosti, 1938, 3, No. 17—18, 41—48).—Gypsum, dolomite, and marl act as demenning agents and as absorbents. The particles of admixtures are enveloped by the colloidal gel; they do not lower, but sometimes increase, the mechanical strength. CHEMICAL ABSTRACTS.

ASM-31A METALLURGICAL LITERATURE CLASSIFICATION

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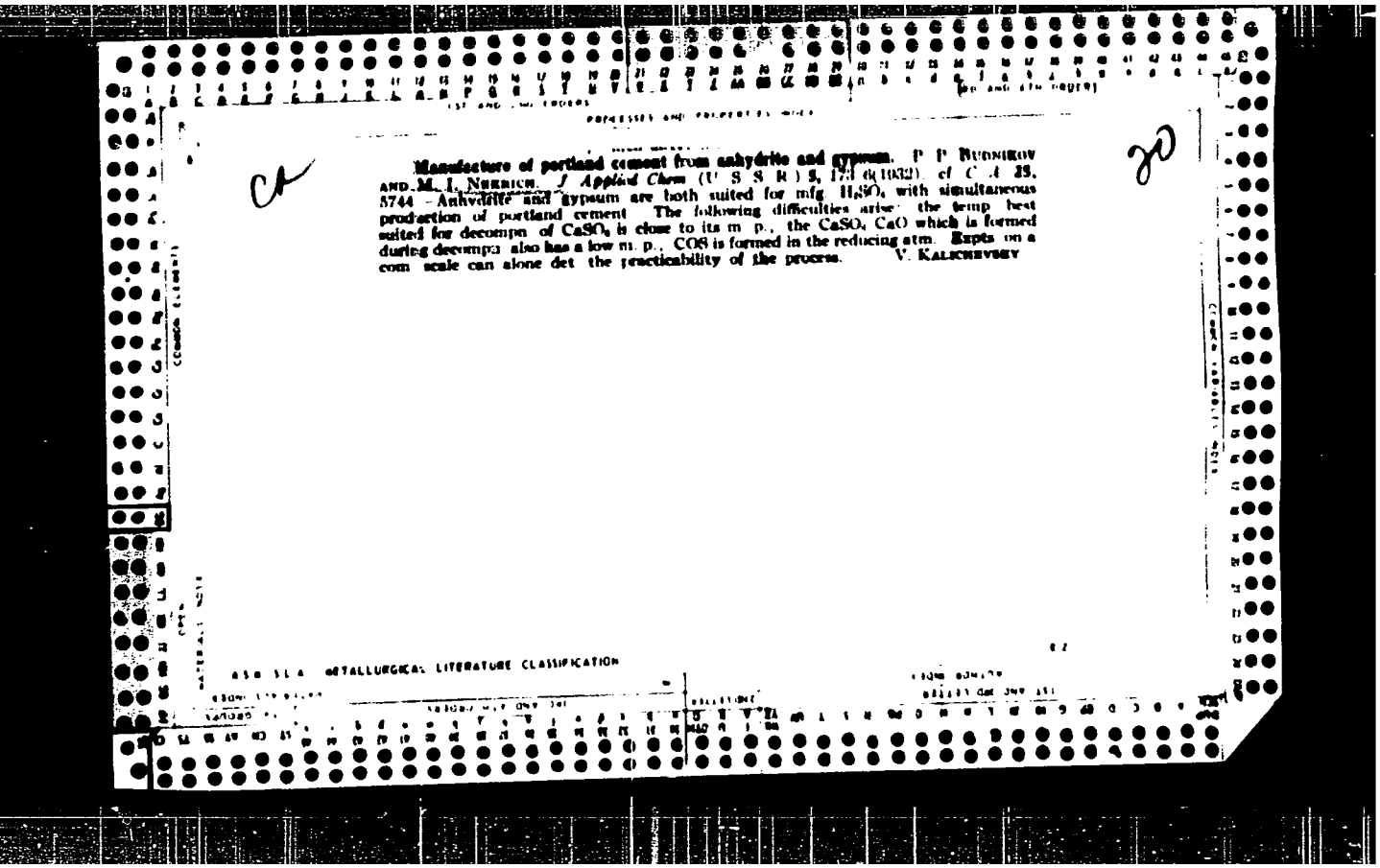
"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2



Theory of crushing. P P Budnikov and M. I. Nekrich. *Zhur Prikladnoi Khimii* 3, 191-205(1930) Review which emphasizes the inadequacy of our present methods of crushing V Kalichevsky

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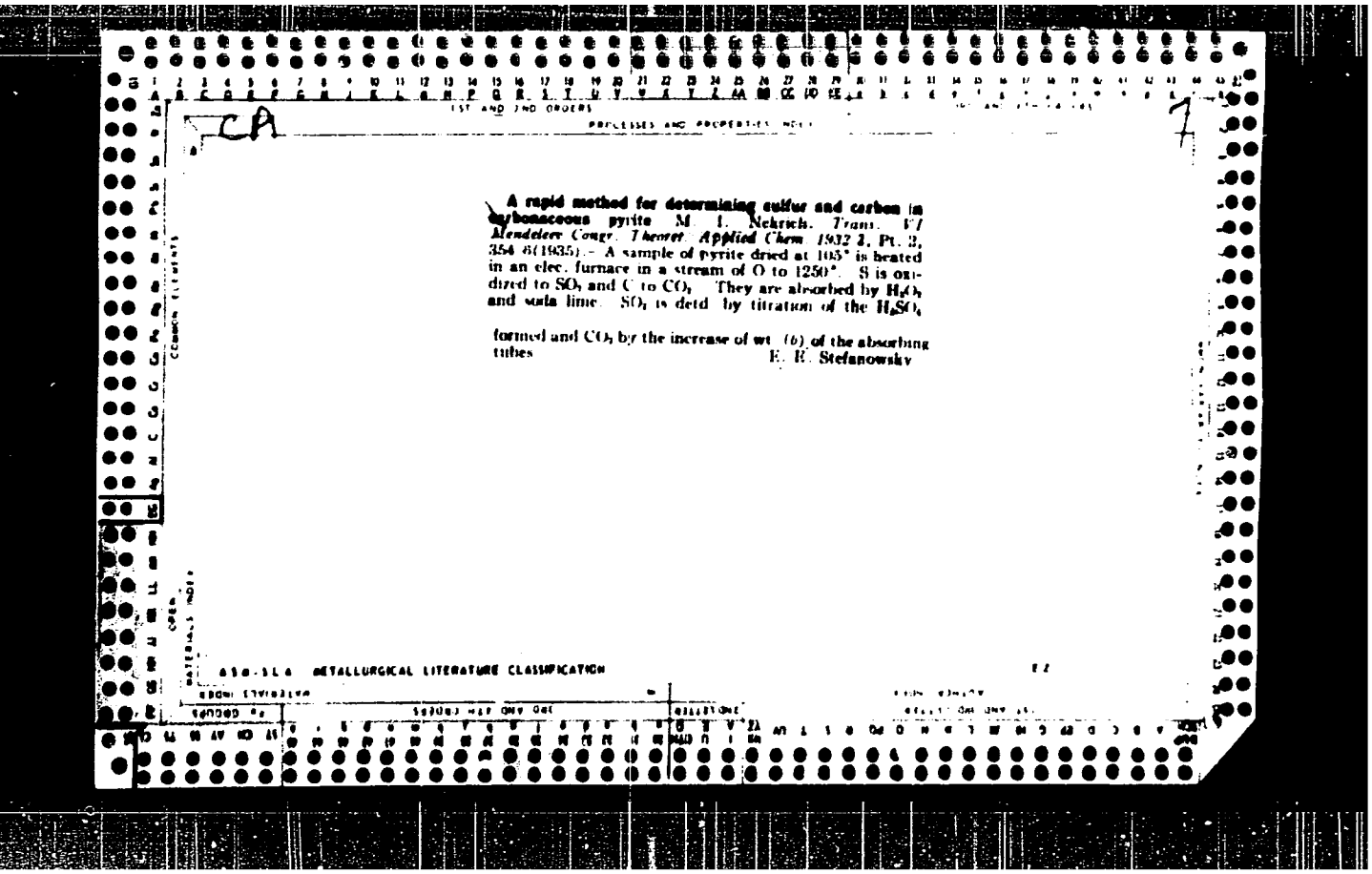
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Manufacture of portland cement from anhydrite and gypsum. P P RUDNITSKII AND M. I. NEMETSKII. *J Applied Chem* (U S S R) 5, 173-6 (1932). cf C A 25, 5744.—Anhydrite and gypsum are both suited for mfg H_2SO_4 with simultaneous production of portland cement. The following difficulties arise: the temp best suited for decompn of $CaSO_4$ is close to its m. p., the $CaSO_4$-CaO which is formed during decompn also has a low m. p., COS is formed in the reducing atm. Expts on a com. scale can alone det. the practicability of the process. V. KALICHEVSKY

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

A rapid method for determining sulfur and carbon in carbonaceous pyrite M. I. Nekrich. *Trans. VI Mendeleev Congr. Theoret. Applied Chem. 1932* **3**, Pt. 2, 354-8(1935).—A sample of pyrite dried at 105° is heated in an elec. furnace in a stream of O to 1250°. S is oxidized to SO_2 and C to CO_2. They are absorbed by H_2O_2 and soda lime. SO_2 is detd. by titration of the H_2SO_4 formed and CO_2 by the increase of wt. (6) of the absorbing tubes. E. R. Stefanowsky

CODED ENTRIES

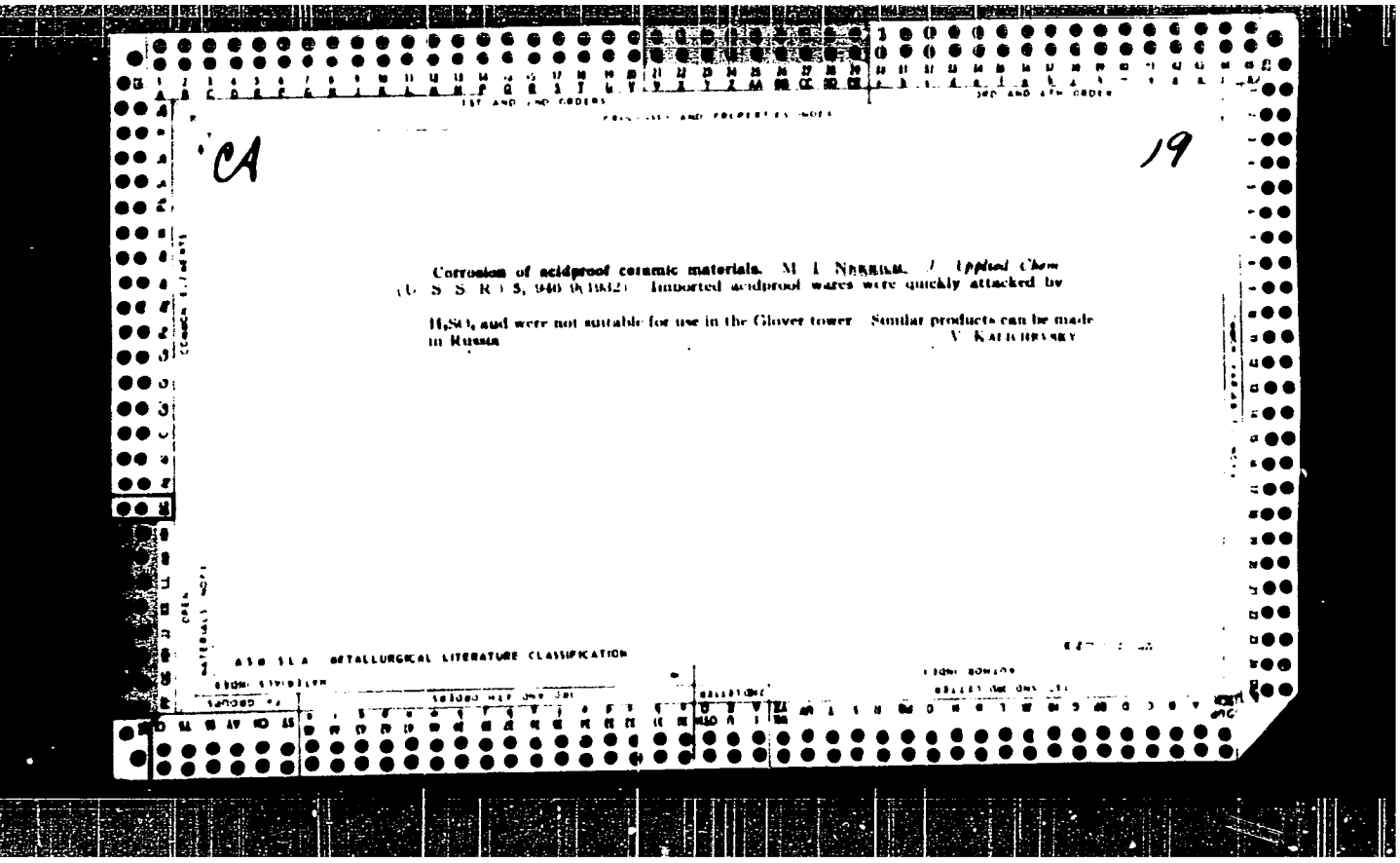
MATERIALS INDEX

A10-11.4 METALLURGICAL LITERATURE CLASSIFICATION

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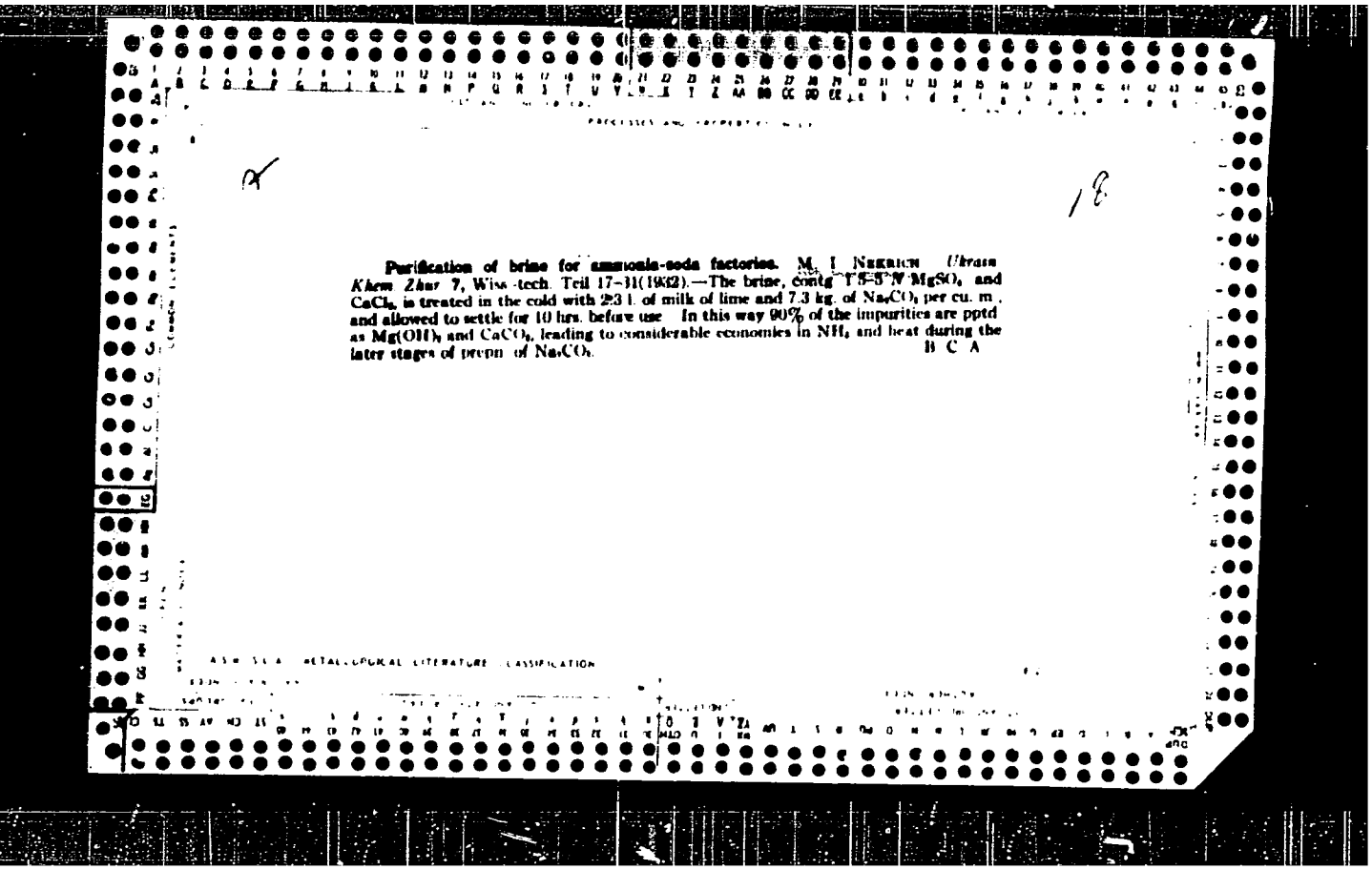
CA 19

Corrosion of acidproof ceramic materials. M. I. Nerezin. *J. Applied Chem.* (U.S.S.R.) 5, 940-9(1932). Imported acidproof wares were quickly attacked by H_2SO_4, and were not suitable for use in the Glover tower. Similar products can be made in Russia. V. Karchevsky

A50 SLA METALLURGICAL LITERATURE CLASSIFICATION

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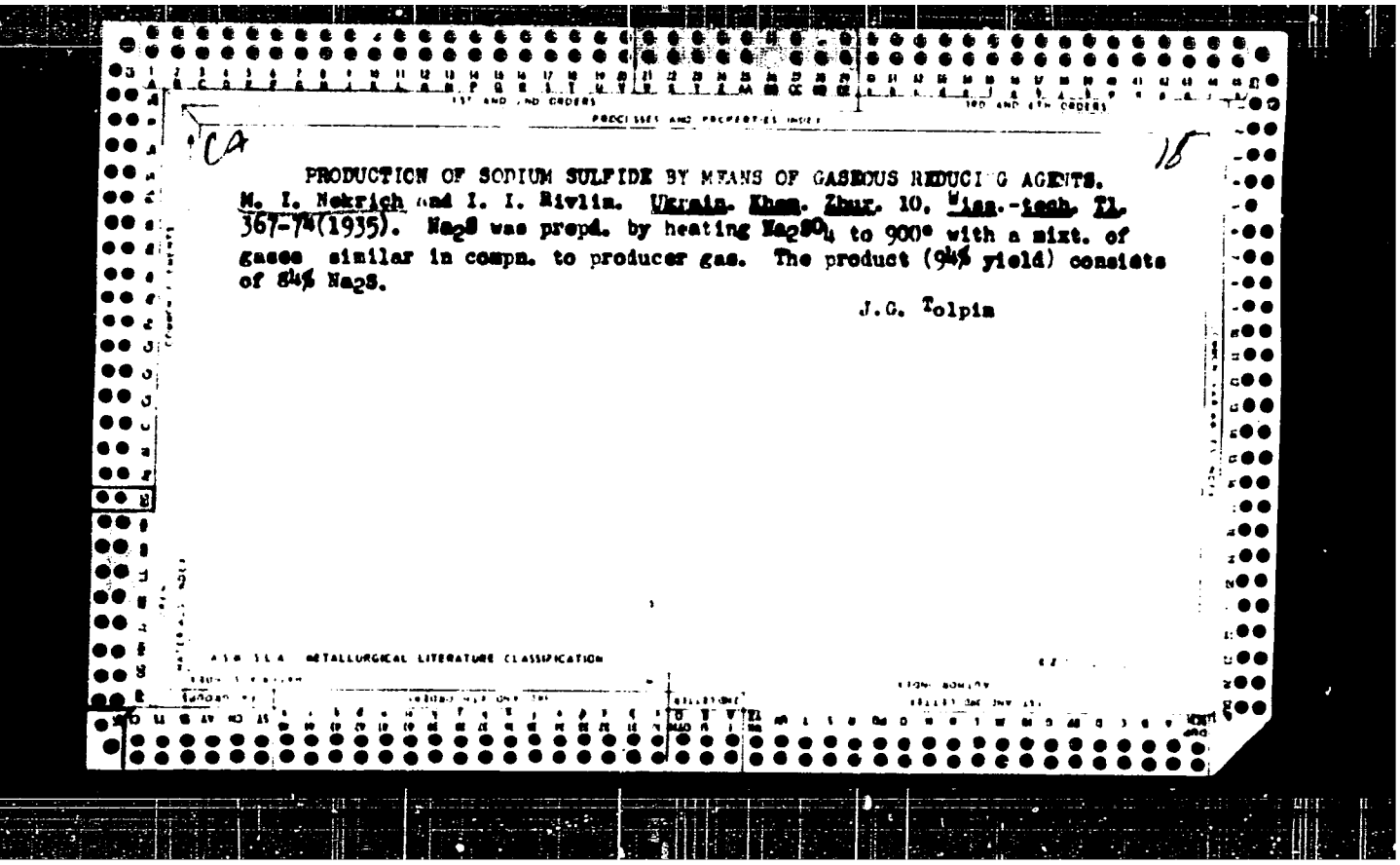
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Purification of brine for ammonia-soda factories. M. I. Nekrich *Ukrain Khem Zhur* 7, Wiss.-tech. Teil 17–31(1962).—The brine, contg 1.5–5.7 N $MgSO_4$ and $CaCl_2$, is treated in the cold with 2.3 l. of milk of lime and 7.3 kg. of Na_2CO_3 per cu. m., and allowed to settle for 10 hrs. before use. In this way 90% of the impurities are pptd as $Mg(OH)_2$ and $CaCO_3$, leading to considerable economies in NH_3 and heat during the later stages of prepn. of Na_2CO_3. B C A

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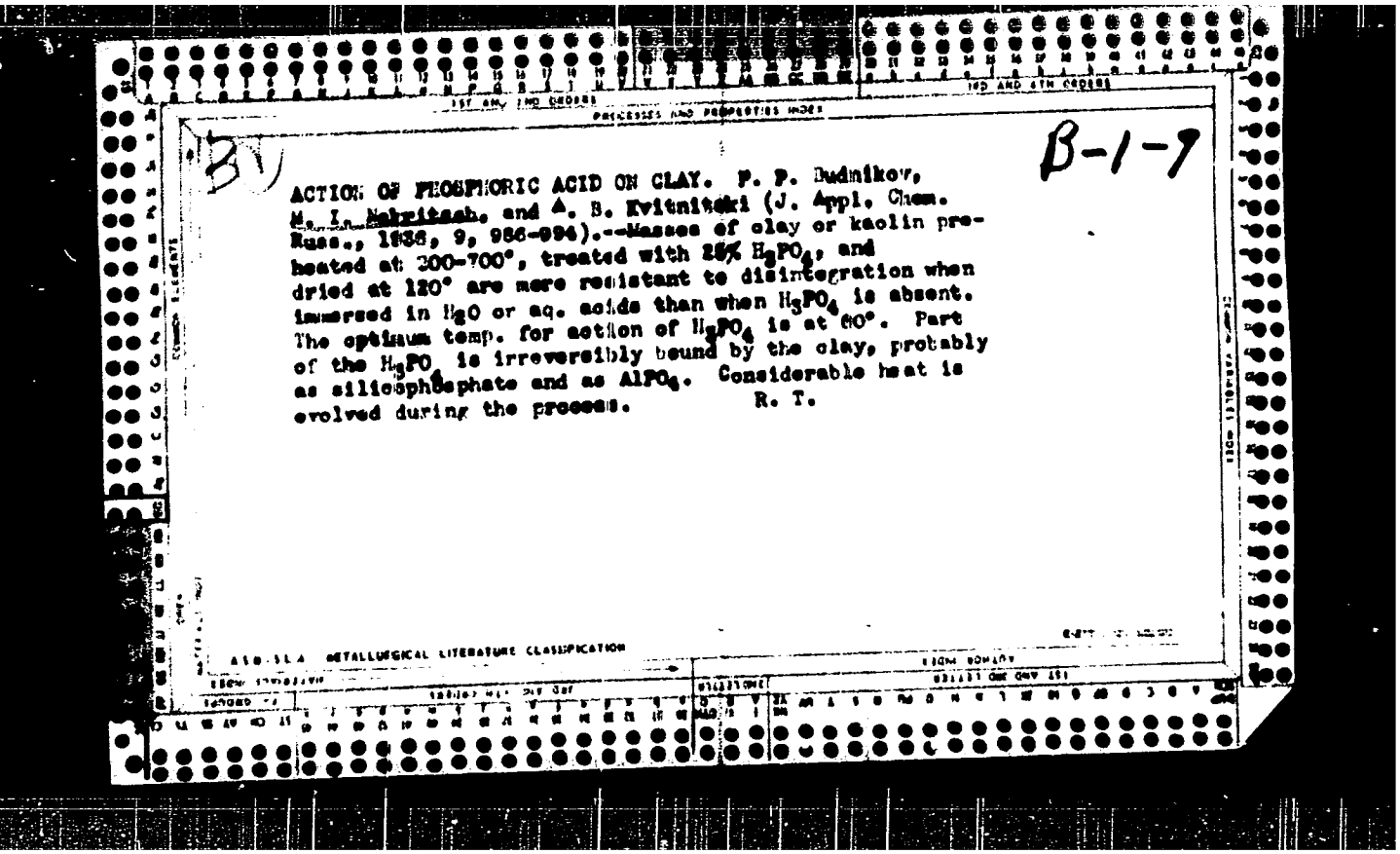
PRODUCTION OF SODIUM SULFIDE BY MEANS OF GASEOUS REDUCING AGENTS.
M. I. Nekrich and I. I. Rivlin. Ukrain. Khem. Zhur. 10, Wiss.-tech. Tl. 367-74(1935). Na_2S was prepd. by heating Na_2SO_4 to 900° with a mixt. of gases similar in compn. to producer gas. The product (94% yield) consists of 84% Na_2S.

J.G. Tolpin

A S M S L A METALLURGICAL LITERATURE CLASSIFICATION

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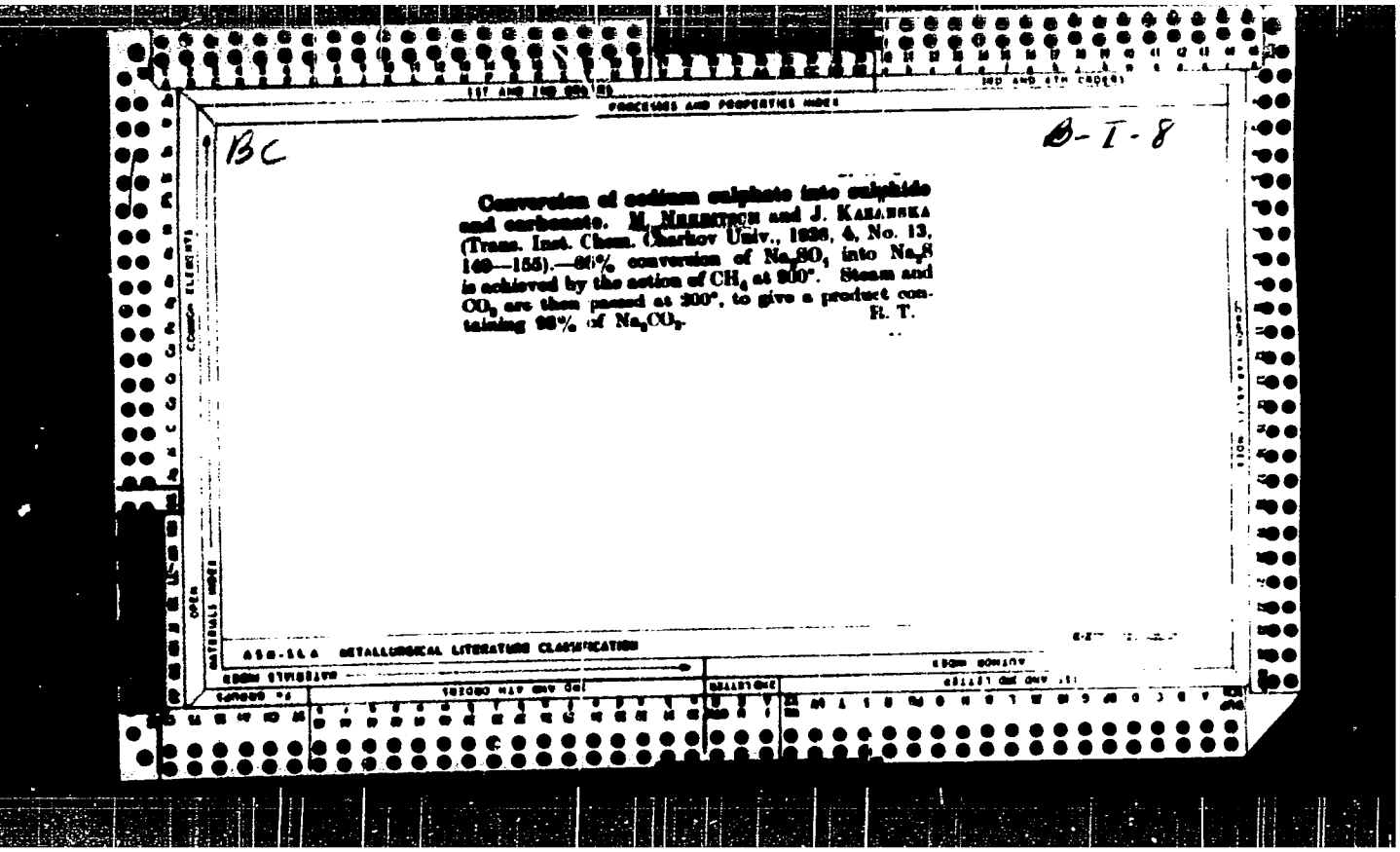


B-1-7

ACTION OF PHOSPHORIC ACID ON CLAY. P. P. Budnikov, M. I. Nabrittsch. and A. B. Kvitnitzki (J. Appl. Chem. Russ., 1936, 9, 986-994).--Masses of clay or kaolin preheated at 300-700°, treated with 25% H_3PO_4, and dried at 120° are more resistant to disintegration when immersed in H_2O or aq. acids than when H_3PO_4 is absent. The optimum temp. for action of H_3PO_4 is at 60°. Part of the H_3PO_4 is irreversibly bound by the clay, probably as silicophosphate and as $AlPO_4$. Considerable heat is evolved during the process. R. T.

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B-I-8

Conversion of sodium sulphate into sulphide and carbonate. M. NEERUTSCH and J. KALABSKA (Trans. Inst. Chem. Charkov Univ., 1936, 4, No. 13, 149—155).—90% conversion of Na_2SO_4 into Na_2S is achieved by the action of CH_4 at 900°. Steam and CO_2 are then passed at 200°, to give a product containing 98% of Na_2CO_3. R. T.

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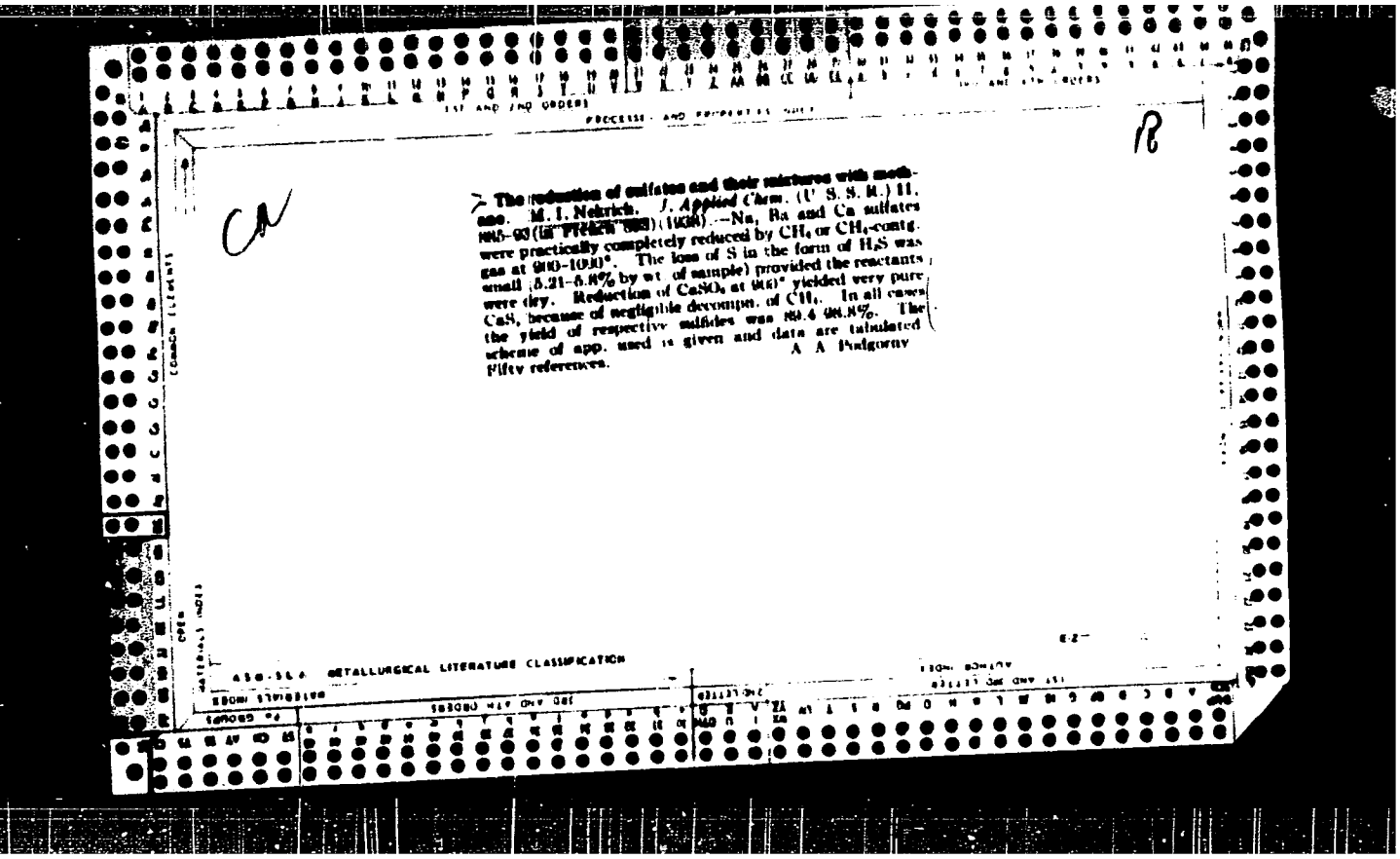
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NEKRICH, M. I.

Budnikov, P. P., and Nekrich, M. I. Silicate Materials in the chemical industry. J. Applied Chem. (U.S.S.R.) 11, 151-75 (1938).--A review with about 206 references is given.

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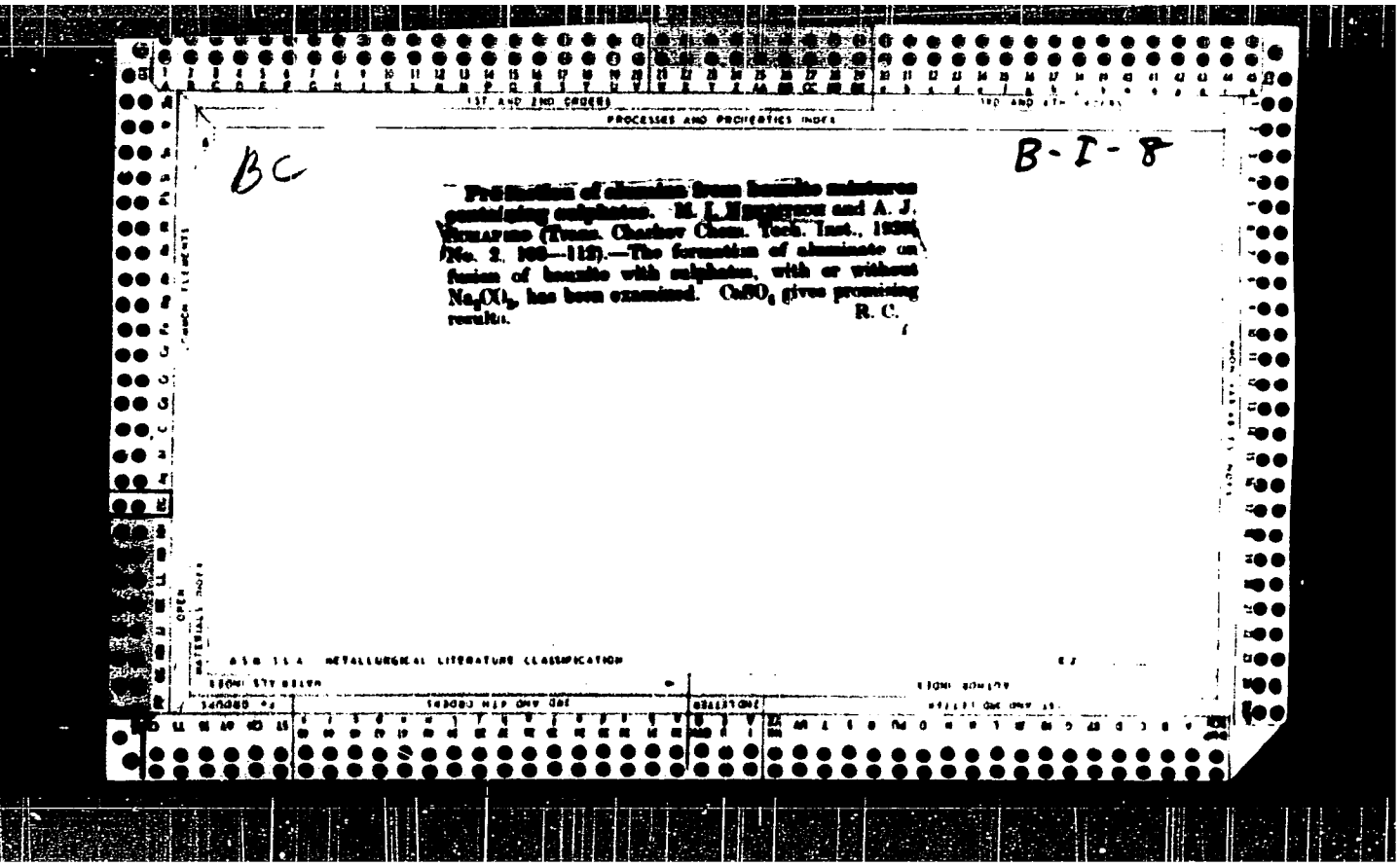
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The reduction of sulfates and their mixtures with methane. M. I. Nekrich. *J. Applied Chem.* (U. S. S. R.) 11, 985–93 (in French 993) (1938).—Na, Ba and Ca sulfates were practically completely reduced by CH_4 or CH_4-contg. gas at 900–1000°. The loss of S in the form of H_2S was small (3.21–6.8% by wt. of sample) provided the reactants were dry. Reduction of $CaSO_4$ at 900° yielded very pure CaS, because of negligible decompn. of CH_4. In all cases the yield of respective sulfides was 93.4–96.8%. The scheme of app. used is given and data are tabulated. Fifty references. A. A. Bulgakov

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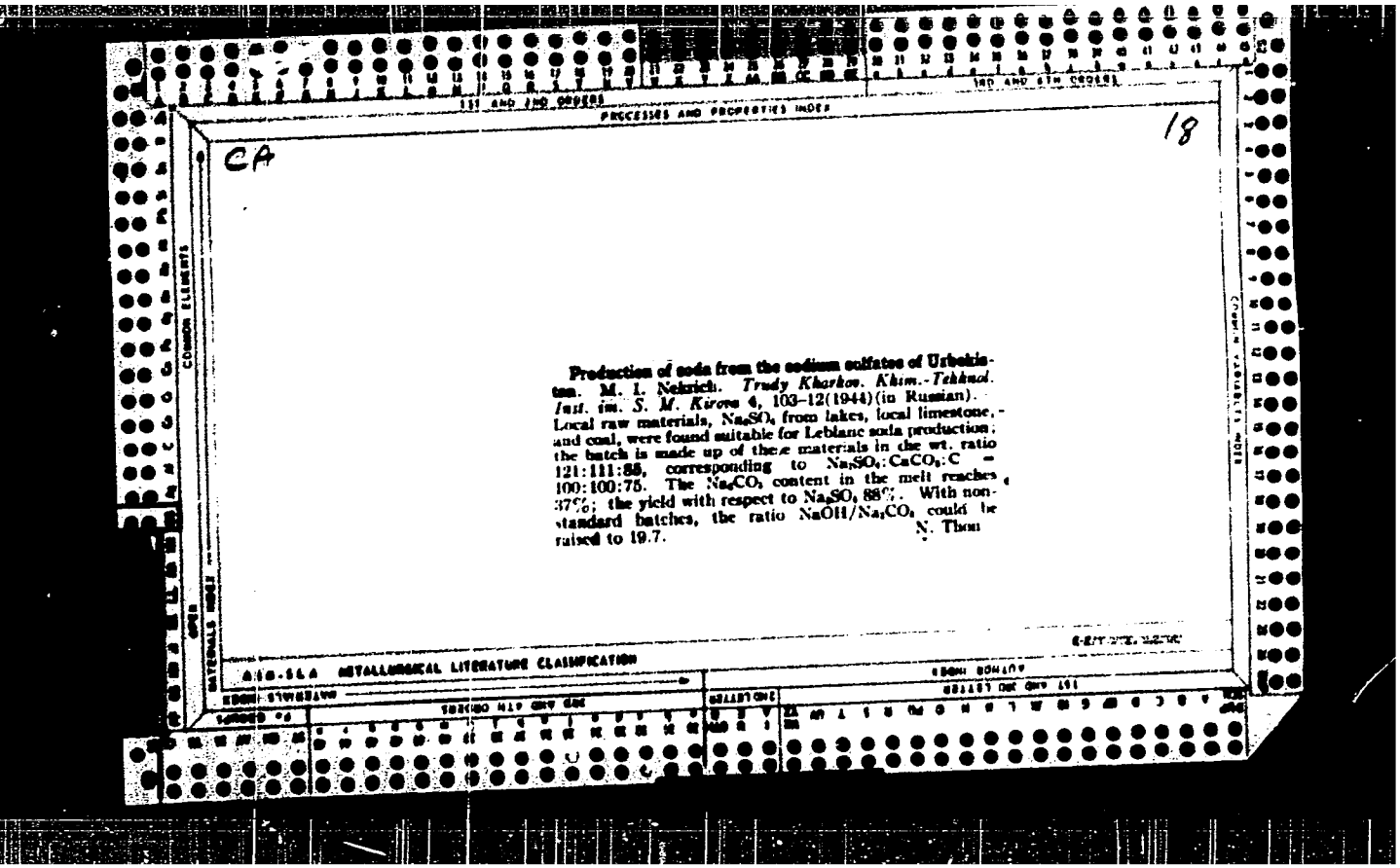
B-I-8

Production of aluminate from bauxite mixtures containing sulphates. M. J. Mayorgas and A. J. Rosatano (Trans. Chatbov Chem. Tech. Inst., 1936, No. 2, 103—112).—The formation of aluminate on fusion of bauxite with sulphates, with or without Na_2CO_3, has been examined. $CaSO_4$ gives promising results.

R. C.

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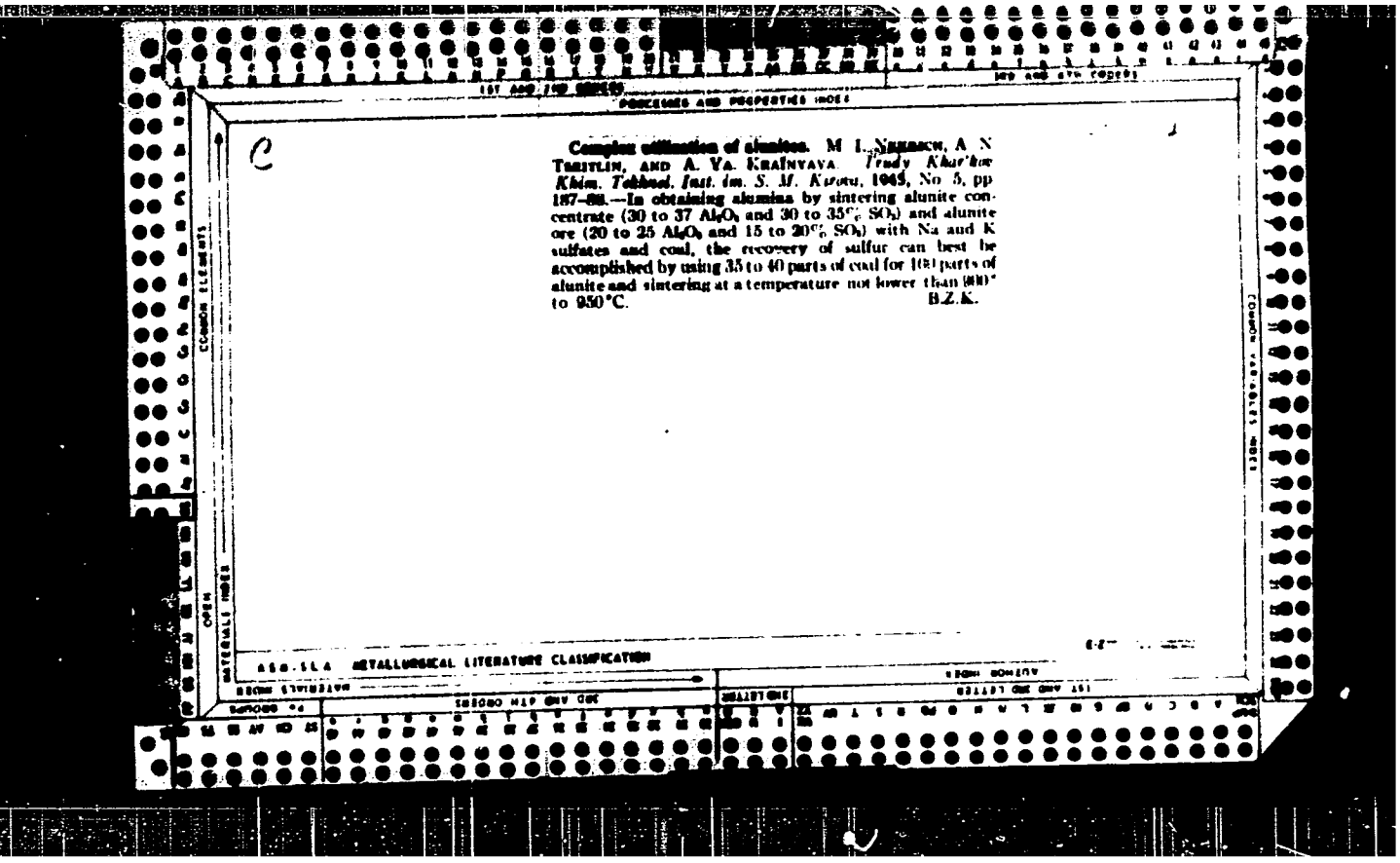
18

Production of soda from the sodium sulfates of Uzbekistan. M. I. Nekrich. *Trudy Kharkov. Khim.-Tekhnol. Inst. im. S. M. Kirova* 4, 103–12(1944)(in Russian). Local raw materials, Na_2SO_4 from lakes, local limestone, and coal, were found suitable for Leblanc soda production; the batch is made up of these materials in the wt. ratio 121:111:55, corresponding to $Na_2SO_4:CaCO_3:C$ = 100:100:75. The Na_2CO_3 content in the melt reaches 37%; the yield with respect to Na_2SO_4 88%. With non-standard batches, the ratio $NaOH/Na_2CO_3$ could be raised to 19.7.

N. Thon

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Complex utilization of alunites. M. I. Nyrkova, A. N. Tseitlin, and A. Ya. Krainyaya. *Trudy Khar'kov. Khim. Tekhnol. Inst. im. S. M. Kirova*, 1945, No. 5, pp. 187–88.—In obtaining alumina by sintering alunite concentrate (30 to 37 Al_2O_3 and 30 to 35% SO_3) and alunite ore (20 to 25 Al_2O_3 and 15 to 20% SO_3) with Na and K sulfates and coal, the recovery of sulfur can best be accomplished by using 35 to 40 parts of coal for 100 parts of alunite and sintering at a temperature not lower than 900° to 950°C. B.Z.K.

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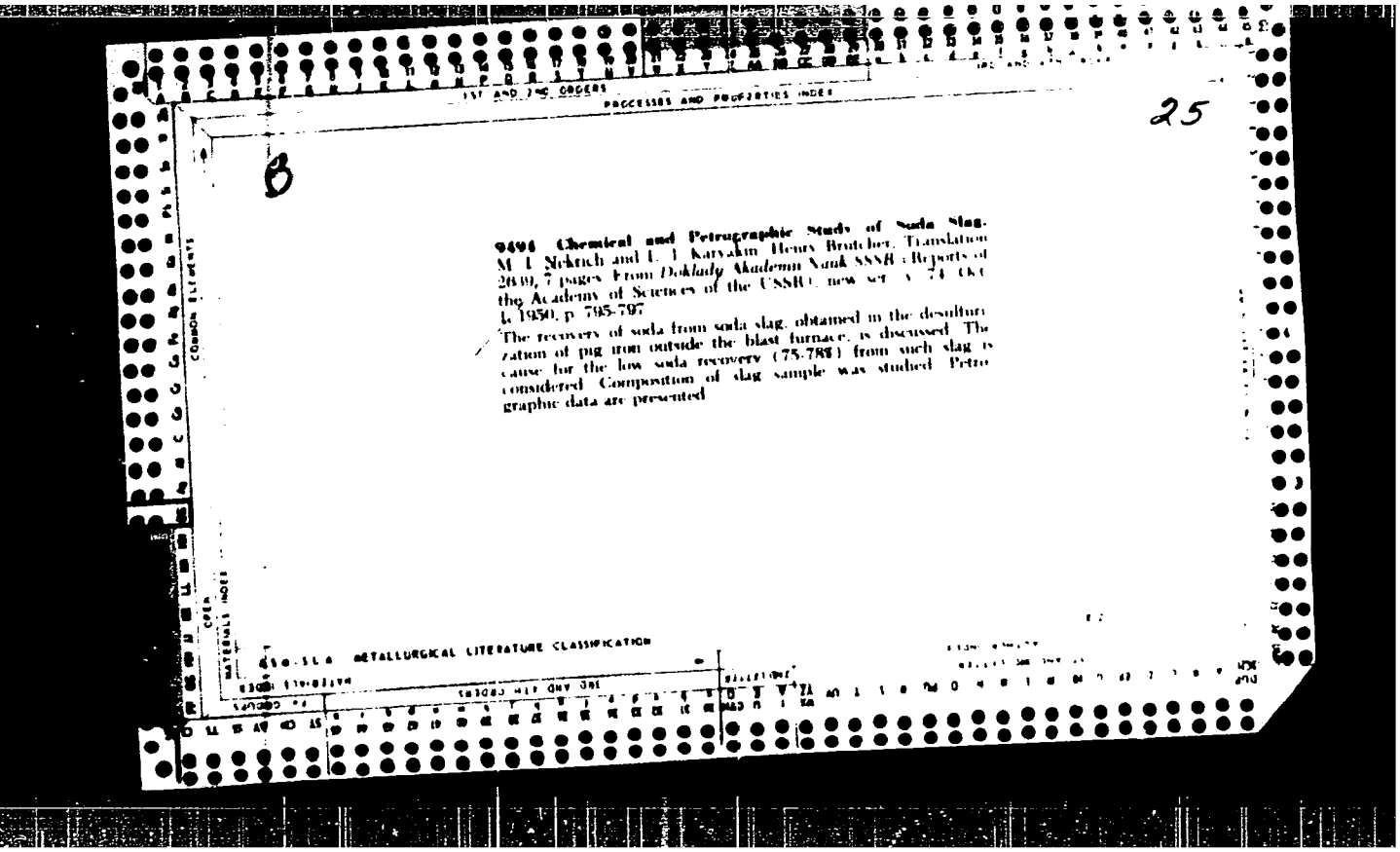
18

Desulfurization of sulfides. II. M. I. Yeheskeli. *Doklady Akad. Nauk Uzbek. S.S.R.* 1950, No. 2, 35-7. *C.A.* 30, 4276⁸.--Briquets (20 g.) were prepd. from 100 parts of $CaSO_4$ (44.79% SO_3, 33.02% CaO, 1.92% R_2O_3, 0.64% insols., and 19.5% wt. loss on ignition), 40 parts birchwood charcoal, and 6 parts Na_2S and were treated with a stream of Cl (97.8%) at the rate of 5-6 l. per hr. at various temps. Reaction commenced at 300°, 3.2% reacting in 1 hr. The rate of reaction increased, reached a peak at 710° (89% reaction in 1 hr.), and then declined (65.4% reaction at 815° in 1 hr.). S balance at 750° after 1 hr. was: S chlorides, 58.5%, elementary S, 32.2%; sulfate, 6.0%; and the remainder (3.3%) unaccounted for. The decrease in rate above 710° is discussed. Reaction between CaS and Cl commenced at 150°. Rate of reaction increased with temp., 93.1% having reacted in ½ hr. at 900°, the max. temp. used. At 700°, 73% of CaS reacted in 1 hr. The slower reaction as compared to $CaSO_4$ is ascribed to coating of unreacted CaS with molten $CaCl_2$. Effect of coating is less pronounced as temp. is raised and $CaCl_2$ becomes more fluid.

Murray Senkus

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PROCESSES AND PROPERTIES INDEX

25

B

9494 **Chemical and Petrographic Study of Soda Slag.** M. I. Nekrich and L. I. Karyakin. Henry Brutcher. Translation 2689, 7 pages. From *Doklady Akademii Nauk SSSR* (Reports of the Academy of Sciences of the USSR) (n.s.) v. 74 Oct. 1, 1950, p. 795-797

The recovery of soda from soda slag, obtained in the desulfuriz zation of pig iron outside the blast furnace, is discussed. The cause for the low soda recovery (75-78%) from such slag is considered. Composition of slag sample was studied. Petro graphic data are presented.

METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

ACS

Utilization of alkaline slags in glassmaking. M. A. Nekrasov and I. B. Borovikov. *Stekło i Keram.*, 8 [9] 10 (1951).—An experimental batch consisting of sand 180, chalk 20, sulfate 10, and alkaline slag from the desulfurization of iron 100 kg. was melted at 1260°C. The slag analyzed SiO_2 34.90, Fe_2O_3 2.10, Al_2O_3 5.30, CaO 4.20, MgO 5.40, MnO 8.10, and Na_2O 39.9%. The glass composition was SiO_2 69.21, Al_2O_3 + Fe_2O_3 3.20, CaO 5.60, MgO 2.06, Na_2O 16.55, and MnO 3.17%. Viscosity (by Stokes' method) was 1666 poises at 1000° and 1124 poises at 1200°. The glass showed slight surface crystallization after 3 hr. at 810° to 850° but not below 800° and above 850°. It showed no deposit after 24 hr. in HCl vapors. B.Z.K.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

1. BUDNIKOV, P.P., NEKRICH, M.I., PAPKOVA, L.P.

2. USSR (600)

4. Slag cement

7. Akaline slag as slurry fluidizer. TSement no. 2, 1952. Inzh.

9. Monthly List of Russian Accessions, Library of Congress, August, 1952. Unclassified.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRICH, M.I.; MOSTOVOI, Ya.P.

Glass and ware from soda slag. Steklo i Keram. 9, No.4, 9 '52. (MLRA 5:5)
(CA 47 no.18:9580 '53)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRICH, M. I.

USSR/Chemistry - Sulfides, production of FD-3361

Card 1/1 Pub. 50 - 5/20

Author : Budnikov, P. P., Corr Mem Acad Sci USSR; Prof Nekrich, M. I.

Title : Concerning the mechanism of the reduction of sulfates with carbon in the solid phase

Periodical : Khim. prom. No 7, 402-403, Oct-Nov 1955

Abstract : Investigated the reduction with carbon of sulfates of sodium, magnesium, and alkaline earth metals to sulfides. On the basis of the results obtained, arrive at the conclusion that the process does not take place in the solid phase: there is always formation of carbon monoxide, which acts as the reducing agent. Four references; 3 USSR, one since 1940.

Institution : --

Submitted : --

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

15-1957-10-14116

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 10, p 120 (USSR)

AUTHORS: Karyakin, L. I., Nekrich, M. I.

TITLE: The Petrography of Blast-Furnace Slags and of Castings Made From Them (K petrografii domennykh shlakov i lit'ya iz nikh)

PERIODICAL: Sb. nauchn. rabot po khimii i tekhnol. silikatov. Moscow, Promstroyizdat, 1956, pp 138-143

ABSTRACT: The authors describe an experiment in using blast-furnace slag from factories in the southern USSR as material for manufacturing pipe. The slag used was inhomogeneous in outward appearance: greenish and gray with intermediate gradations. The principal minerals of the greenish-gray slag are melilite (38%) and glaucochroite (39%). The optical properties of these two minerals are given. The sulfides--represented by oldhamite, CaS, and alabandite, MnS--make up 8%. Glass forms 14 to 15%. The gray slag has the same general composition,

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The Petrography of Blast-Furnace Slags and of Castings Made From Them

but it contains more melilite (42%) and brown glassy material (24.7%). The slags melted at 1500°. The fused mass was either poured out into a stationary earthen mold or fashioned in a centrifuge. After firing, part of the pipe had fractures, which were produced by unequal crystallization. It was shown that the black parts, consisting of 70% glass with grains of melilite distributed irregularly through it, are the most brittle. The gray parts have less glass, with regularly distributed crystals of melilite in it, and are stronger. To improve the quality of the castings, the authors recommend the development of a method of firing during which material may be added.

Card 2/2

N. N. Kurtseva

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

BUDNIKOV, P.P.; NEKRICH, M.I.

Some problems of powder grinding. Porosh.met. 1 no.6:17-26 N-D '61. (MIRA 15:5)

1. Moskovskiy ordena Lenina khimiko-tekhnologicheskiy institut imeni Mendeleyeva.
(Powder metallurgy)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRICH, M.I.; POLOVIN, R.V.

Rate of solid phase reactions. Dop.AN URSR no.4:511-513 '61.
(MIRA 14:6)

1. Khar'kovskiy politekhnicheskiy institut im. V. I. Lenina.
Predstavleno akademikom AN USSR P. P. Budnikovym.
(Chemical reaction, Rate of)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRICH, M.I.; BUDNIK, L. Ya.; GOTLINSKAYA, A.P. [Hotlins'ka, A.P.]

Effect of alkaline slag on the reduction in the viscosity of cement slurry. Dop. AN URSR no.6:779-782 '61. (MIRA 14:6)

1. Khar'kovskiy politekhnicheskiy institut. Predstavleno akademikom AN USSR P. P. Budnikovym.
(Portland cement)
(Slag)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRICH, Ye.I., inzh.; DOBRYNIN, B.F., inzh.; SHLYAPNIKOVA, A.G., inzh.

Organizing the production of reinforcements at the Obukhovo Housing Construction Combine. Biul.tekh.inform.po stroi. 5 no.12:5-7 '59. (MIRA 13:4)
(Leningrad--Reinfoced concrete)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRICH, Ye.I.; ARANE, M.Yu.; SMIRNOV, N.A., prof., red.; SHILLING, V.A., red. izd-va; GVIRTS, V.L., tekhn. red.

[Overall mechanization and automation in housing construction combines] Kompleksnaia mekhanizatsiia i avtomatizatsiia na domostroitel'nykh kombinatakh. Pod obshchei red. N.A.Smirnova. Leningrad, Leningr. dom nauchno-tekhn.propagandy, 1961. 34 p. (Bibliotechka stroitelia po mekhanizatsii i avtomatizatsii stroitel'stva, no.3) (MIRA 15:8)
(Leningrad--Precast concrete) (Apartment houses) (Automation)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

MEKRICH, Ye.

Using the method of Leningrad housing construction workers.
Na stroi.Ros. no.12:32 D '61. (MIRA 16:1)

(TSelinograd—Apartment houses)
(Precast concrete construction)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRICH, Ye.I., inzh.

Automation and mechanization at the Obukhovo Housing Construction Combine. Mekh.stroi. 18 no.9:12-15 S '61. (MIRA 14:10)

1. Glavnoye Leningradskoye upravleniye po zhilishchnomu i grazhdanskomu stroitel'stvu.
(Leningrad--Precast concrete)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKROT, A.A. [Nekrot, A.O.]

Method of angular collective variables for computing the statistical sum of a mixed ionic-dipole system. Part 1. Classical case. Ukr. fiz. zhur. 8 no.5:560-567 My '63. (MIRA 16:8)

1. L'vovskiy gosudarstvennyy universitet im. Franko.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

YUKHNOVSKIY, I.R.; NEKROT, A.A.

Some properties of binary functions of distribution of a mixture of ions and dipole molecules. Ukr. fiz. zhur. 9 no.4:365-375 Ap '64. (MIRA 17:8)

1. L'vovskiy gosudarstvennyy universitet.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

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L 18249-63 EWT(1)/EDS/EEC(b)-2/ES(w)-2 AFFTC/ASD/ESD-3/IJP(C)/SSD 74

ACCESSION NR: AP3002117 Pi-4/Po-4/Pab-4 S/0185/63/008/006/0633/0644 73

AUTHOR: Yukhnovs'kyy I. R., Nekrot, A. O.

TITLE: Free energy and binary distribution functions of a mixed ion-dipole system.

SOURCE: Ukrains'kyy fizychnyy zhurnal, v. 8, no. 6, 1963, 633-644

TOPIC TAGS: ion, molecule, dipole, ion-dipole interaction virial coefficient, third virial coefficient, free energy, ion-dipole plasma, binary distribution function

ABSTRACT: This paper is continuation of a study published previously by the authors in the same journal in issue 7, 1962 and issue 8, 1963. A classical system consisting of ions and dipoles distributed in space is taken, and equations leading to the determination of the free energy of this system are developed. The free energy is thus determined accurately up to the third complete virial coefficient. Binary distribution functions are also calculated. Particular cases of these functions are functions for ion systems described by Yukhnovskyy in this journal in issue 4, 1959, and functions for systems of molecules described by

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NEKRUTENKO, Yu.P.

Methods of quantitative analysis of the wing pattern of Pieridae (Lepidoptera). Dop. AN URSR no.3:405-407 '64.
(MIRA 17:5)

1. Institut geologicheskikh nauk AN UkrSSR. Predstavleno akademikom AN UkrSSR A.P. Markevichem [Markevych, O.P.].

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRUTENKO, Yu.P.

Revision of the genus Apatura Fabr. (Lepidoptera, Nymphalidae). Dop. AN URSR no.10:1391-1394. '64. (MIRA 17:12)

1. Institut geologicheskikh nauk AN Ukrainskoy SSR. Predstavleno akademikom AN UkrSSR A. L. Markevichem [Markevych, O.P.].

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRUTENKO, Yu.P.

Apaturinae of the palaearctic fauna. Zool. zhur. 43 no.7:1041-1046 '64.
(MIRA 17:12)

1. Kiyev State University.

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NEKHUTENKO, Yu.P.

Unusual variability of Satyrus actaea Esp. (Lepidoptera, Satyridae) in the Crimea and its possible causes. Zool. zhur. 44 no.4:617-620 '65. (MIRA 18:6)

1. Institut geologicheskikh nauk AN UkrSSR, Kiyev.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRUTENKO, Yu.P.

New Tertiary representative of the family Nymphalidae (Lepidoptera, Rhopalocera). Paleont. zhur. no.4:97-99 '65. (MIRA 19:1)

1. Institut geologicheskikh nauk AN UkrSSR. Submitted April 16, 1964.

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NEKRUTENKO, YU. P.

USSR/ Biology - Ichthyology

Card 1/1 Pub. 46 - 24/42

Author : Nekrutenko, Yu. P. (Kiev)

Title : Fishes of the Anabantidae family

Periodical : Priroda 45/1, 110-112, Jan 56

Abstract : An explanation is given of how fishes of the family Anabantidae are able to use the oxygen of the atmosphere as well as that from air dissolved in water. Several subdivisions of this family are cited. The method of spawning and hatching is described. The habitats are indicated. Five references: 1 Sov., 2 Eng., 1 Czech., and 1 Germ. (1909-1954). Map.

Institution : .....

Submitted : .....

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRUTENKO, Yu.P.

New labyrinth fishes. Priroda 46 no.6:112-113 Je '57. (MLRA 10:7)

1. Kiyevskiy gosudarstvennyy universitet im. T.G. Shevchenko.
(Tropical fish)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRUTENKO, Yu.P.(Kiyev)

Metamorphosis of the nymph into a dragonfly. Priroda (MIRA 13:6)
no.6:108-109 Je '60.
(Dragonflies)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

DEM'YANKOV, N., inzhener; MEKHUTMAN, S., inzhener.

The operation of railroad refrigerator cars having mechanical refrigeration. Khol.tekh.33 no.1:29-32 Ja Mr '56. (MLRA 9:7)
(Refrigerator cars)

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VEKRUTMAN, S., inzh.

Determination of the optimum heat transfer coefficient of insulating walls of refrigerator cars. Khol. tekh. 35 no. 3:4-6 My-Je '58. (MIRA 11:7)

1. Moskovskoye depo poyezdov-refrizheratorov.
(Refrigerator cars)
(Insulation(Heat))

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NEKRUTMAN, S. V.: Master Tech Sci (diss) -- "Investigation of the problems of operating the refrigerating and power equipment of isothermic rolling stock with mechanical refrigeration". Moscow, 1959. 11 pp (Min Transportation USSR, Moscow Order of Lenin and Order of Labor Red Banner Inst of Railroad Transport Engineers im I. V. Stalin), 150 copies (KL, No 15, 1959, 117)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

MEKHTMAN, Semen Veniaminovich; OSADCHUK, Grigoriy Ivanovich; SKRIPKIN, Viktor Vasil'yevich; TSARENKO, A.P., red.; BOBROVA, Ye.N., tekhn.red.

[Experience in transporting perishable freight; practices of the depot of refrigerated trains in the Moscow suburban station] Opyt perevozki skoroportiashchikhsia gruzov; iz praktiki depo refrisheratornykh poezdov stantsii Podmoskovnaia. Moskva, Gos. transp.shel.-dor.izd-vo, 1959. 96 p. (MIRA 12:6)
(Railroads--Freight)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

MARINOV, Girsh Ayzikovich; NEKRUTMAN, Semen Veniaminovich; OSADCHUK, Grigoriy Ivanovich; MARTYNOV, M.S., inzh., retsenzent; TSARENKO, A.P., inzh., red.; MEDVEDEVA, M.A., tekhn. red.

[Operation of cars with mechanical refrigeration] Ekspluatatsiia vagonov s mashinnym okhlazhdeniem. Moskva, Transzheldorizdat, 1962. 163 p. (MIRA 15:6)

(Refrigerator cars)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

SKRIPKIN, Viktor Vasil'yevich; NEKRUTMAN, Semen Veniaminovich; BELYASOVA, L.P., inzh., retsenzent; LYSENKO, N.Ye., inzh., retsenzent; BAKRADZE, Yu.M., inzh., retsenzent; SARANTSEV, Yu.S., inzh., red.; USENKO, L.A., tekhn. red.

[Electric equipment of refrigerator cars] Elektrooborudovanie izotermicheskogo podvizhnogo sostava. Moskva, Transzheldorizdat, 1962. 294 p. (MIRA 15:9)
(Refrigerator cars—Electric equipment)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRUTMAN, Semen Veniaminovich; FAYERSHTEYN, Yuliy Oskarovich; FILIPENOK, Petr Andreyevich; TSYPLAKOV, Nikolay Vasil'yevich; SHCHEPETOV, Al'bert Viktorovich; BAKRADZE, Yu.M., inzh., retsenzent; BRAYLOVSKIY, N.G., inzh., red.; MEDVEDEVA, M.I., tekhn. red.

[Multiple-unit train cars with machine refrigeration] Sektsii vagonov s mashinnym okhlazhdeniem. Moskva, Transzheldorizdat, 1963. 386 p. (MIRA 16:5)
(Refrigerator cars)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

ZOROKHOVICH, Aleksandr Yefimovich; LIBMAN, Anatoliy Zakharovich; NEKRUTMAN, S.V., red.

[Repair of the electrical equipment of passenger cars] Remont elektrooborudovaniia passazhirskikh vagonov. Moskva, Transport, 1964. 313 p. (MIRA 17:10)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

OSADCHUK, G.I.; RUBINCHIK, I.M.; NEKRUTMAN, S.V., kand.tekhn.nauk

Technical maintenance of air conditioning plants. Zhel.dor.transp. 47 no.10:45-51 O '65. (MIRA 18:10)

1. Zamestitel' glavnogo inzhenera Glavnogo upravleniya vagonnogo khozyaystva Ministerstva putey soobshcheniya (for Osadchuk).
2. Rukovoditel' laboratorii klimaticheskikh ustanovok Vsesoyuznogo nauchno-issledovatel'skogo instituta zheleznodorozhnogo transporta Ministerstva putey soobshcheniya (for Rubinchik).

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

LETTL, A.; NEKVASILOVA, K.; MORAVEC, K.; PETERA, A.; STEJSKAL, A.

Effects of products of heat degradation of glucose on growth and on formation of soluble antigens of Clostridium tetani. I. First report. J. hyg. epidem. (Praha) 8 no.3:301-306 '64

1. Institute of Sera and Vaccines, Prague.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKVASILOVA, Olga; PROKOP, Rudolf

Saccocoma Agassiz, 1835 (Crinoidea, Articulata) from the Upper Cretaceous of Bohemia. Vest Ust geol 39 no.3:215-216 My '64.

1. Geological Institute, Czechoslovak Academy of Sciences, Prague: Central Geological Institute, Prague.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRYACH, YE. F.

USSR/Chemistry - Dispersed Systems Mar/Apr 1948
Chemistry - Heat of Hydration

"Lyophilia of Dispersed Systems: II. Heat of Hydration of Starche, Gelatins, Agar, and Silicon Anhydride With Water and Alcohol," A. V. Dumanskiy, Ya. F. Mezhennyy, Ye. F. Nekryach, Colloidal Lab, Inst of Gen and Inorg Chem, Acad Sci USSR, 9 pp

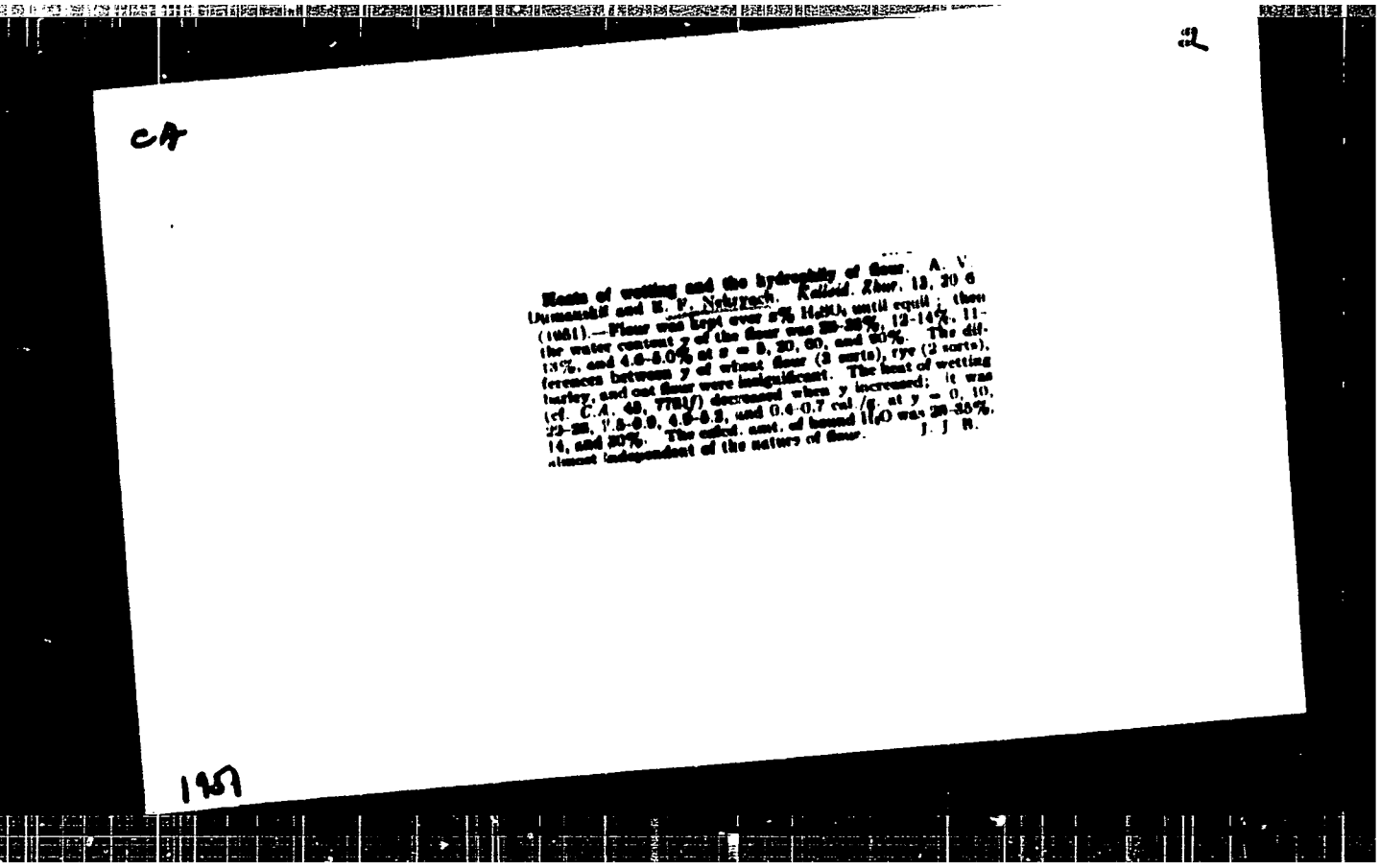
"Kolloid Zhur" Vol X, No 2

Discusses the heat of hydration of starchy water and alcohol, starchy water and sugar, solutions of starch and water and alcohol and water, gelatin and agar with alcohol and alcohol solutions, and silicon anhydride powder. Gives conclusions obtained as result of the experiments. Submitted 2 Jan 1948

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APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

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CA

2

Heats of wetting and the hydrophily of flour. A. V. Dumanskii and E. P. Neburchi. *Kolloid. Zhur.* 13, 39-6 (1951).—Flour was kept over 5% H_2SO_4 until equil.; then the water content y of the flour was 28-30%, 12-14%, 11-13%, and 4.6-5.0% at y = 0, 20, 60, and 90%. The differences between y of wheat flour (3 sorts), rye (2 sorts), barley, and oat flour were insignificant. The heat of wetting (cf. *C.A.* 45, 7781f) decreased when y increased; it was 22-28, 7.8-9.9, 4.9-6.3, and 0.4-0.7 cal./g. at y = 0, 10, 14, and 20%. The calcd. amt. of bound H_2O was 28-35%, almost independent of the nature of flour. J. J. R.

1/57

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

SAMCHENKO, Z.A. [Samchenko, Z.O.]; KUKOVSKIY, Ye.G. [Kukovs'kyi, IE.H.]; NEKRYACH, Ye.F. [Nekriach, IE.F.]

X-ray diffraction study of the structure of polyundecanamide. Dop. AN URSR no.2:229-231 '65. (MIRA 18:2)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

1. DUMANSKIY, A.V.; NATANSON, YE.M.; NEKRAYACH, YE.F.

2. USSR (600)

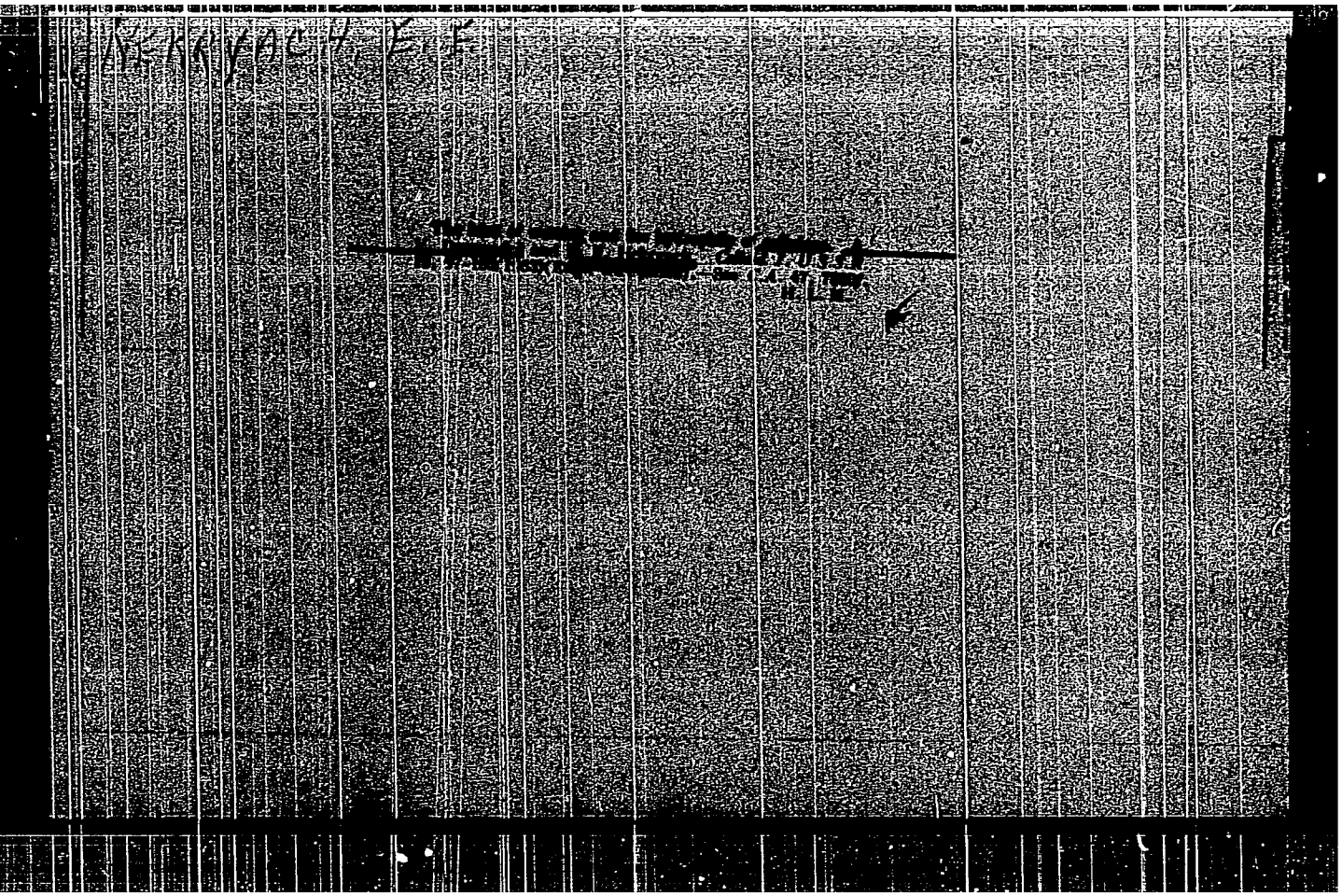
4. Colloids

7. The second All-Union Conference on colloid chemistry in Kiev, June 13-18, 1950. (Problems of structure formation and solvation.) A.V. Dumanskiy, YE.M. Natanson, YE.F. Nekryach, Ukr.khim.zhur. 16 no. 6, 1951.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

DUMANSKIY, A. V.; NEKRYACH, Ye. F.

Cement Kilns

Use of scrubbers for washing flue gases of automatic shaft furnaces. Cement 19, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

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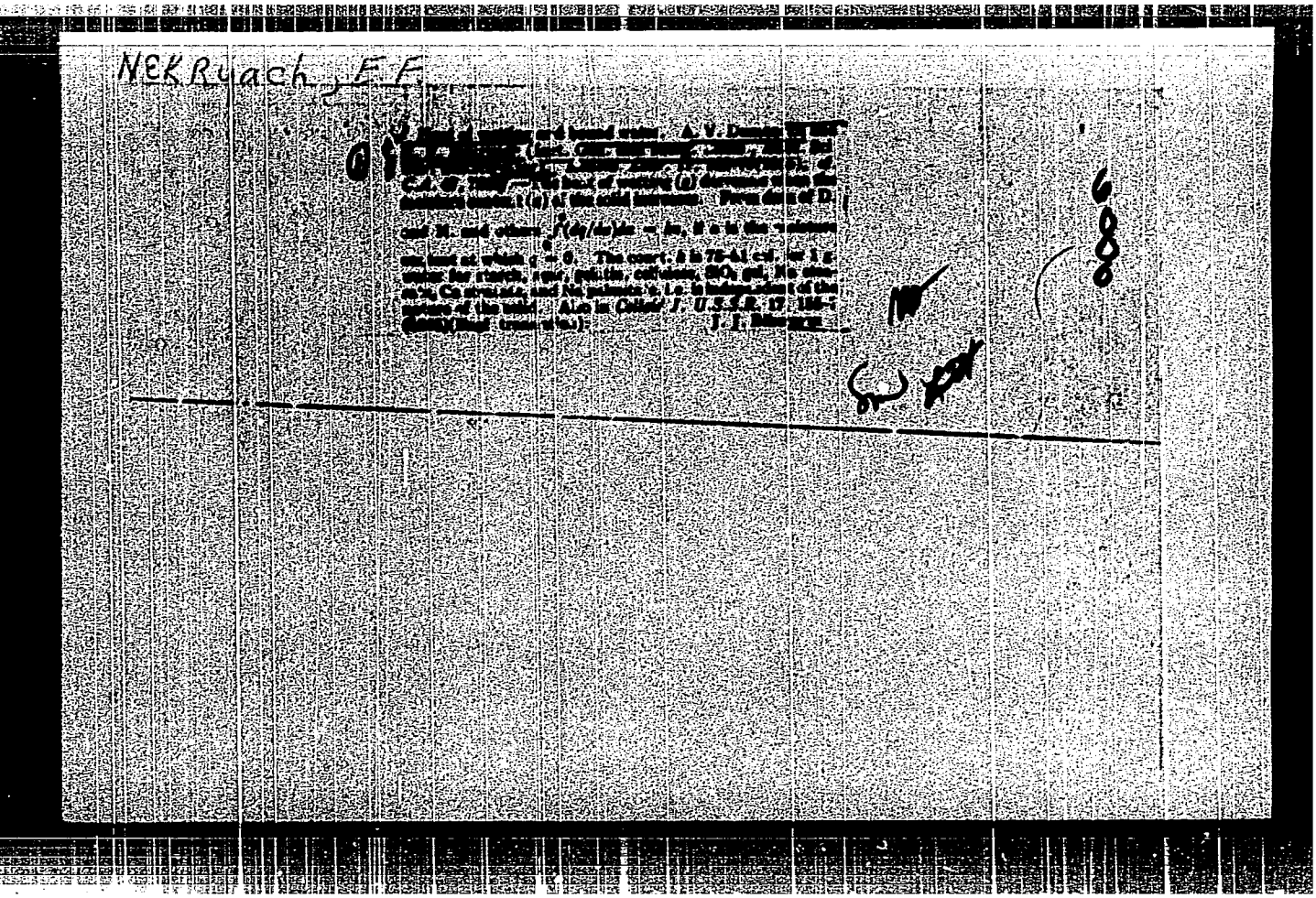
NEKRYACH, Ye. F.

Dissertation: "Heat of Moistening and Hydrophilic Capacity of Certain High Molecular Compounds." Cand Chem Sci, Inst of General and Inorganic Chemistry, Acad Sci Ukrainian SSR, 1 Jul 54. (Pravda Ukrainy, Kiev, 23 Jun 54)

SO: SUM 318, 23 Dec 1954

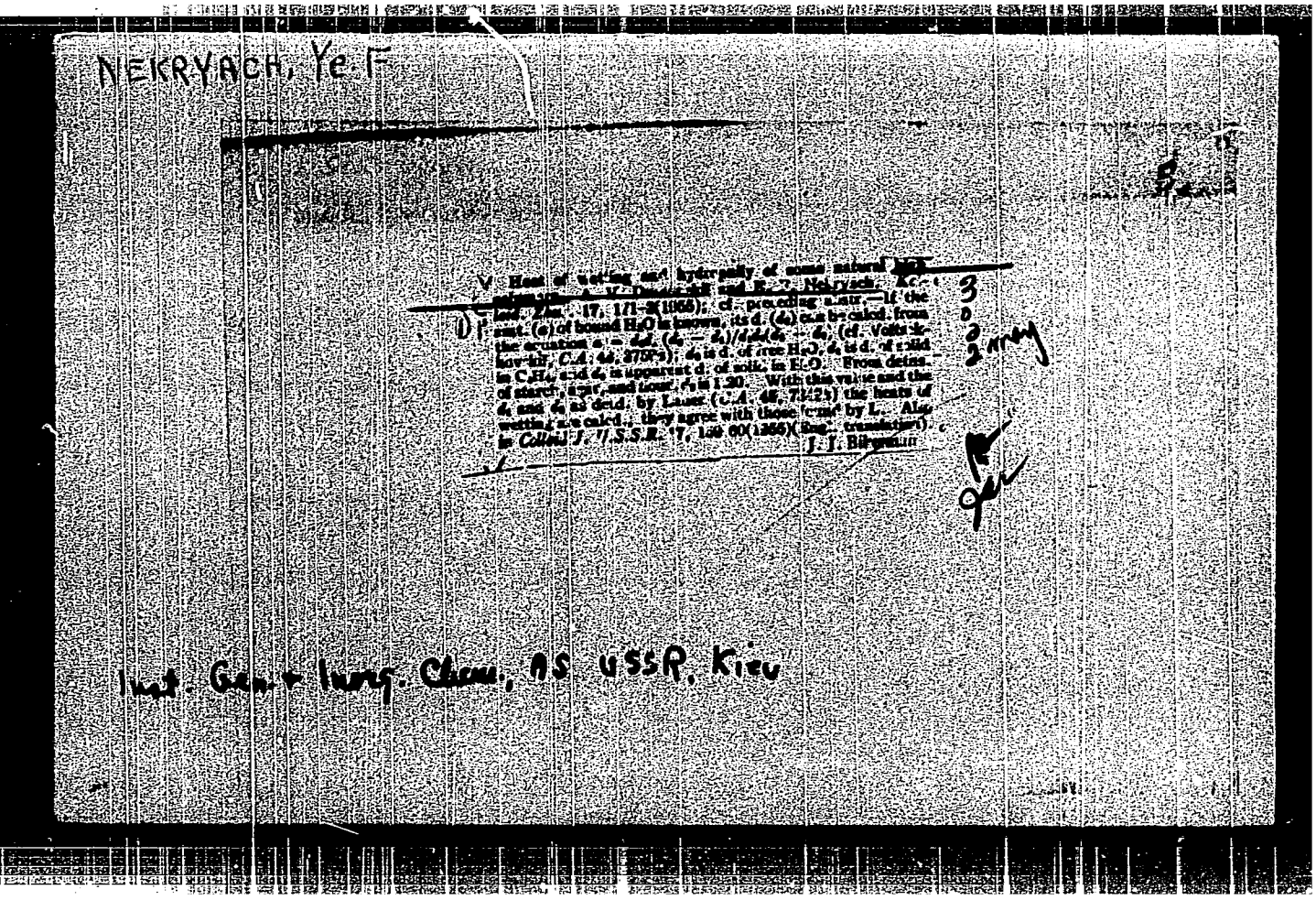
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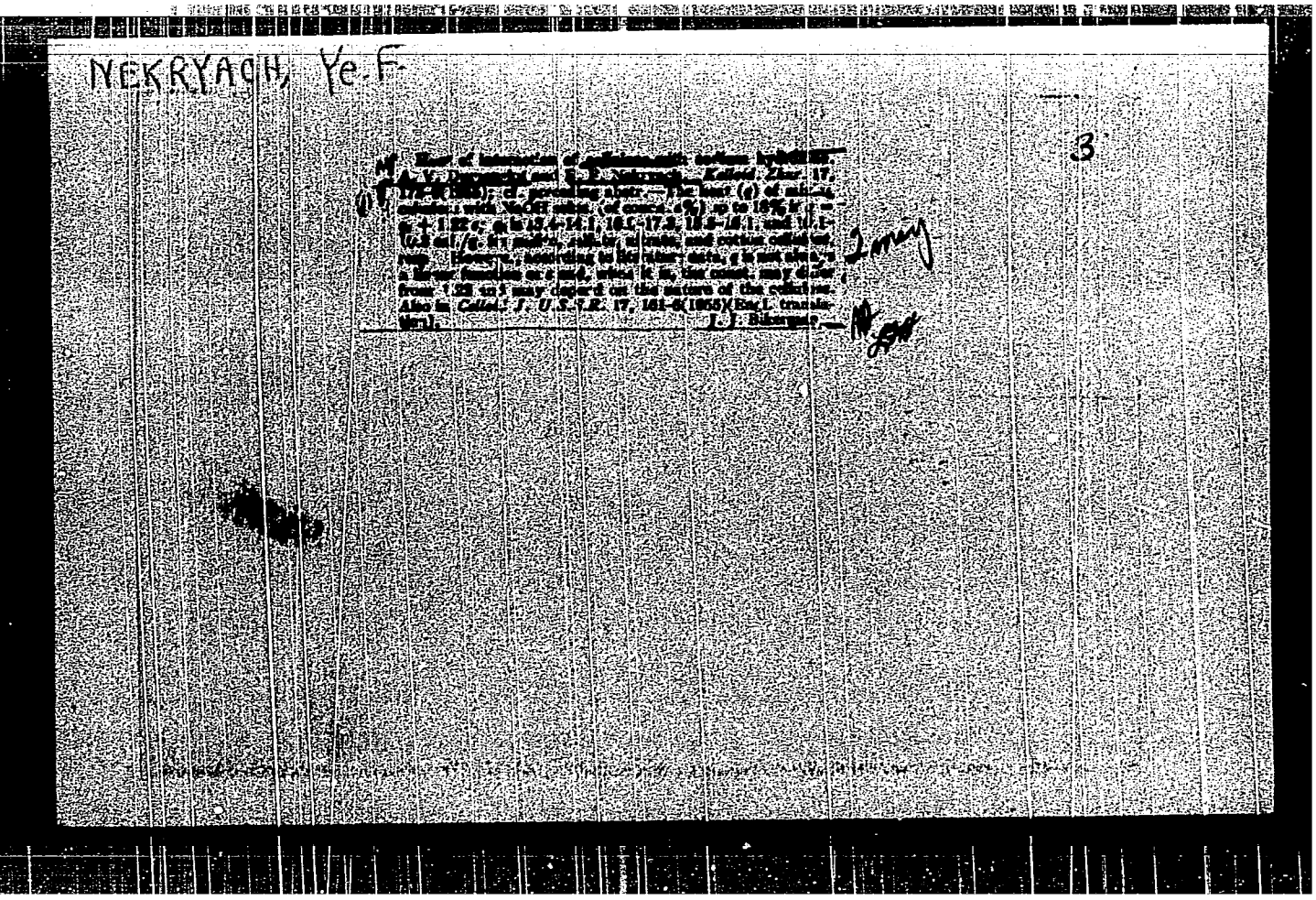


NEKRYACH, Ye. F.

Inst. Gen. & Inorg. Chem., AS USSR, Kiev

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NEKRYACH, Ye. F.

3

Also in *Collect. T. U.S.S.R.* 17, 161-6(1955)(Eng. L. translation)

L. J. Bikerman

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

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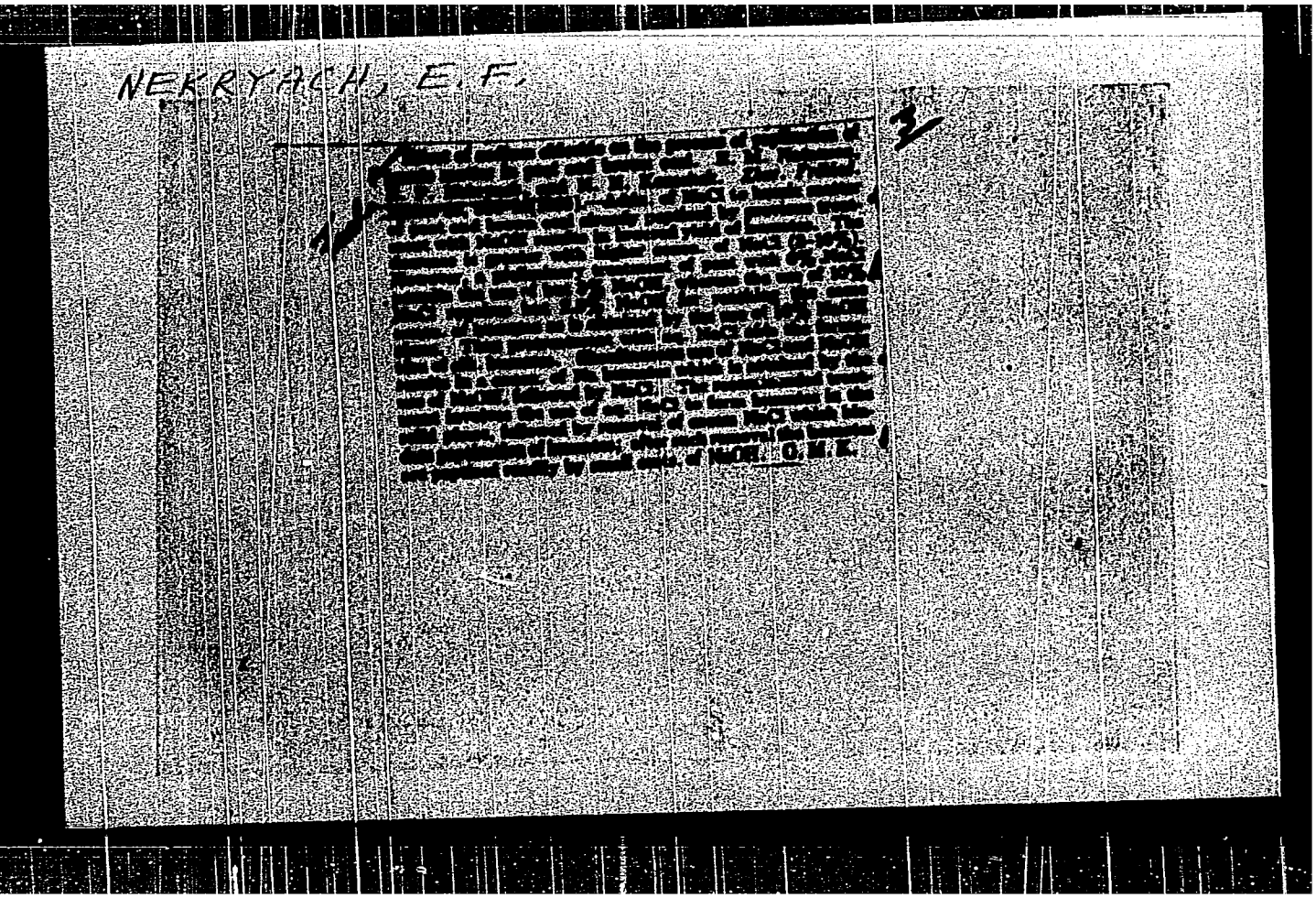
NEKRYACH, Ye.F.

Model of a calorimeter without a special stirrer. Zav.lab.21 no.10: 1248-1249 '55. (MLRA 9:1)

1.Institut obshchey i neorganicheskoy khimii Akademii nauk.
(Calorimeters)

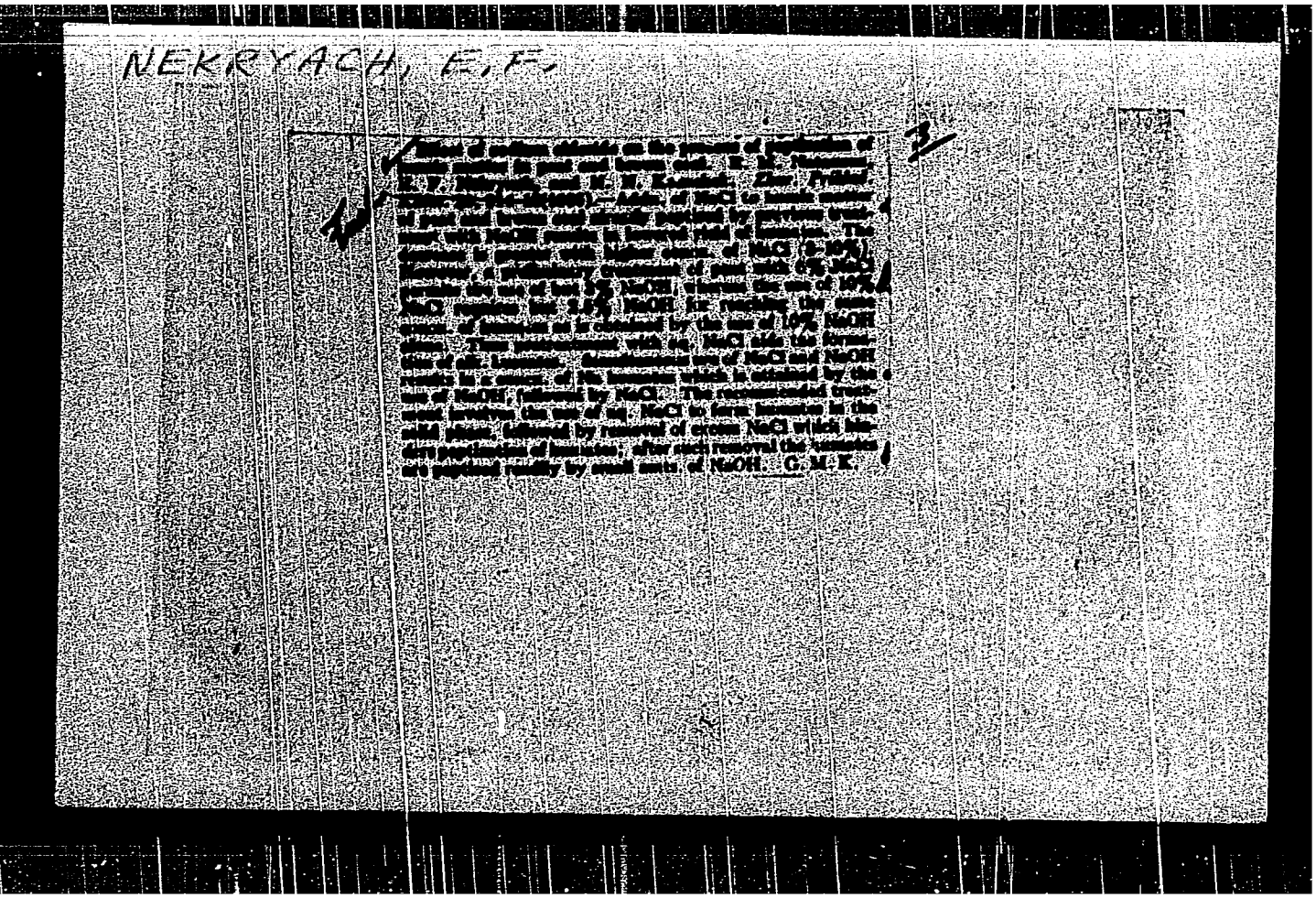
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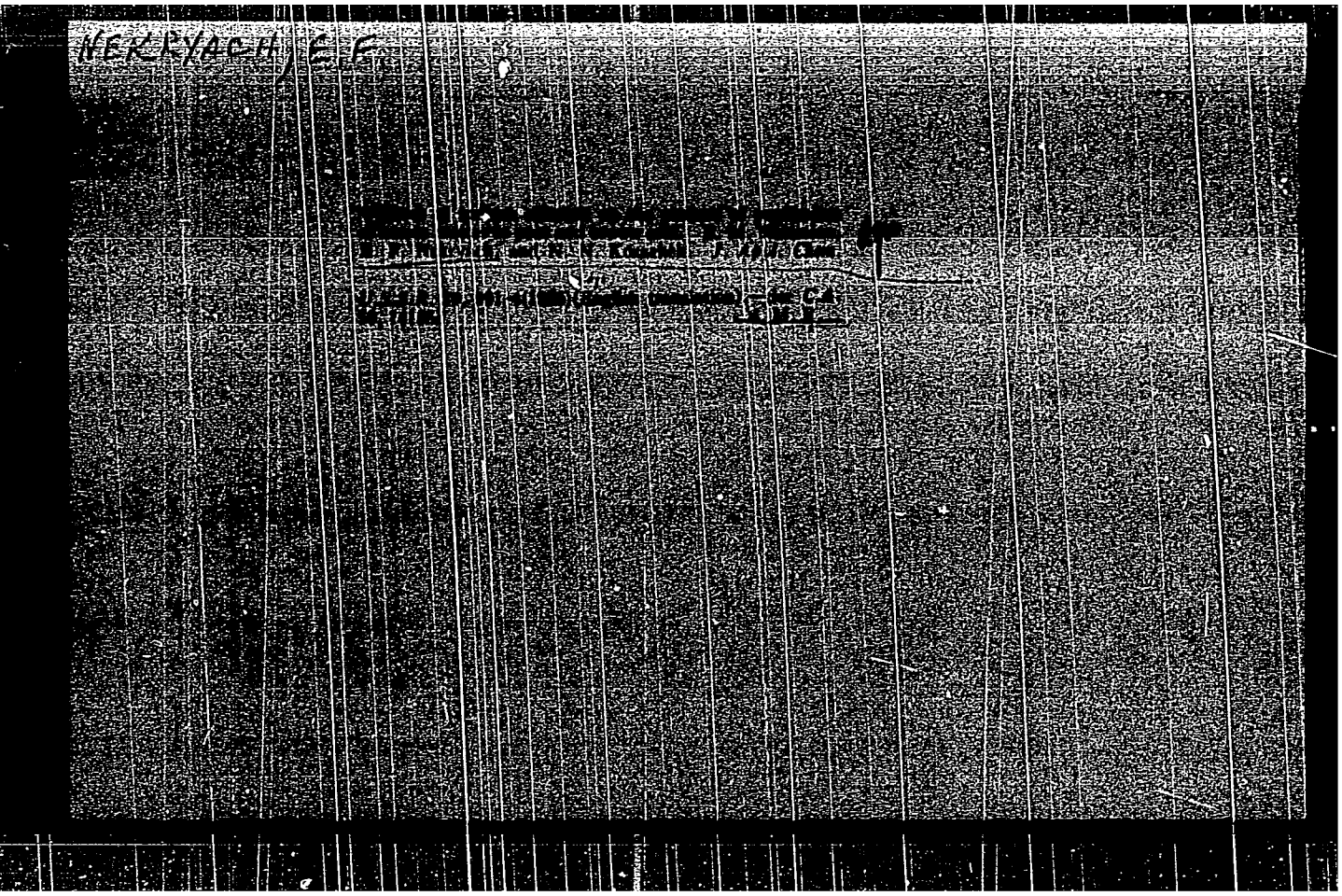
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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

SOV-21-58-9-13/28

AUTHORS: Dumanskiy, A.V., Academician of the AS UkrSSR, Nekryach, Ye. F. and Samchenko, Z.A.

TITLE: Heat of Wetting and Hydration of Cations (Teploty smachivaniya i gidratatsiya kationov)

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1958, Nr 9, pp 966 - 969 (USSR)

ABSTRACT: Different viewpoints on the effect of the nature of cations on the hydrophilic properties of clays and soils are given by Sergeyev [Ref.1], Gapon and Zuyev [Ref.2], Antipov-Karatayev [Ref.3], Janert [Ref.4], Sharov [Ref.5] and Ovcharenko [Ref.6]. This problem was investigated by the authors by studying the heats of wetting salts of the same cations but with simpler anions. The following salts were studied: $CaCO_3$, $MgCO_3$, $BaCO_3$, $SrCO_3$, $CaSO_4$, $BaSO_4$ and $SrSO_4$. On the basis of investigating the heats of interaction with water of these bivalent salts, the cations of which are frequently contained in the composition of clay complexes, a conclusion was drawn that the hydrophilia of clays depends mainly on the magnitude of specific surface rather than on hydration of cations. Exchange cations, without directly affecting the hydrophilia, may change the structure of the micro-

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aggregates of the particles and thereby change the magnitude of their surface. There are 2 tables and 10 references, 8 of which are Soviet, 1 German and 1 unidentified

ASSOCIATION: Institut obshchey i neorganicheskoy khimii AN UkrSSR (Institute of General and Inorganic Chemistry of the AS UkrSSR)

SUBMITTED: April 3, 1958

NOTE: Russian title and Russian names of individuals and institutions appearing in this article have been used in the transliteration.

1. Clays--Moisture factors 2. Soils--Moisture factors
3. Ions--Chemical effects 4. Salts--Chemical reactions
5. Salts--Thermal effects

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

AUTHORS: Nekryach, Ye. F., Dumanskiy, A. V., SOV/20-121-1-38/55
Corresponding Member, Academy of Sciences, USSR

TITLE: The Heats of Wetting of Etherificated Cellulose by Water
(Teploty smachivaniya vodoy eterifitsirovannoy tsellyulozy)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 121, Nr 1,
pp. 136 - 137 (USSR)

ABSTRACT: The present paper gives an account of the investigation of the influence of the degree of etherification of cellulose on its hydrophilic properties; also the influence of the chemical nature of the substituting groups and of the pre-treatment of the cellulose is examined. Samples of methyl, ethyl, oxy-ethyl cellulose (which were synthetized from cotton-linter), and methyl cellulose from viscous silk were investigated. The method for the measurement of the wetting heats has been described already before (Ref 4). The results are illustrated by a diagram. The dependence of the wetting heats of all investigated cellulose samples on the degree of etherification shows the same character all the way through: The wetting heats first increase, reach a maximum at a certain

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

The Heats of Wetting of Etherificated Cellulose by Water SOV/20-121-1-38/55

degree of etherification, and then decrease again. The absolute values of the wetting heats of ethers depend on the chemical structure of the ether group and on the structure of the original cellulose material. The intrusion of a radical with many carbon atoms into the macro-molecule of the cellulose renders the product of substitution more hydrophilic. The maxima of the wetting heats in all samples occur at a degree of etherification of ~ 8%. The hydrophilic properties of the cellulose ethers are very much influenced by their treatment previous to etherification. Differences in the absolute values and in the position of the maxima were observed. There are 1 figure and 5 references, 4 of which are Soviet.

ASSOCIATION: Institut obshchey i neorganicheskoy khimii Akademii nauk USSR (Institute of General and Inorganic Chemistry, AS Ukr SSR)

SUBMITTED: March 27, 1958

Card 2/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

The Heats of Wetting of Etherificated Cellulose by Water SOV/20-121-1-38/55

1. Ethyl cellulose--Chemical properties 2. Ethyl cellulose--Physical properties
3. Methyl cellulose--Chemical properties 4. Methyl cellulose--Physical properties
5. Cellulose--Thermodynamic properties 6. Cellulose--Moisture factors

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APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRYACH, Ye.F. [Nekriach, IE.F.]; NAZARENKO, Yu.P.; CHERNETSKIY, V.P. [Chernets'kyi, V.P.]; [Babko, A.K.], akademik, otv.red.; ROZUM, Yu.S., kand.khim.nauk, red.; FIALKOV, Ya.A. [deceased], red.; FOMENKO, G.S. [Fomenko, H.S.], kand.khim.nauk, red.; SHEKA, I.A., prof., doktor khim.nauk, red.; GNATYUK, G.M. [Hnatiuk, H.M.], red.-leksikograf; POKROVSKAYA, Z.S. [Pokrovs'ka, Z.S.], red.izd-va; YEFIMOVA, M.I. [IEfimova, M.I.], tekhn.red.

[Russian-Ukrainian chemical dictionary; 6000 words] Rossis'ko-ukrains'kyi khimichnyi slovnyk; 6000 terminiv. Kyiv, Vyd-vo Akad.nauk URSR, 1959. 204 p. (MIRA 15:5)

1. AN USSR (for Babko). 2. Chlen-korrespondent AN USSR (for Fialkov).

(Chemistry--Dictionaries)
(Russian language--Dictionaries--Ukrainian)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

5(2) SOV/[illegible]

AUTHORS: Nekryach, Ye F. and Natanson, S.M.

TITLE: A Study of the Coagulation of Sodium Humate Solutions

PERIODICAL: Doporidi Akademii nauk Ukrainskoi RSR, [illegible], No [illegible], pp 406-407 (USSR)

ABSTRACT: The increased need in sodium humate solutions used for stabilization of clay suspensions in drilling for oil and natural gas demands that such solutions be produced on a wider industrial basis. The authors conducted a study of this matter by way of coagulating sodium humates from aqueous solutions with the use of sodium chloride, and established the resulting ratios of humate and salt solutions yielding the maximum of sodium humate coagulation. The [illegible] water suspension of lime, mixed with coal from the Aleksandriyskoye coal deposits (35% of humic acid, 12% of ash content), mixed with a concentrate of sodium chloride and heated the solution [illegible] at

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

SOV/ [illegible]

A Study of the [illegible]

80-90°C. Upon cooling, the residues of [illegible] were separated by centrifuge. The percentage of sodium humate was [illegible] by [illegible] weighing. The experiments [illegible] were capable of [illegible] without preliminary washing. In addition, the coagulation in the [illegible] this can be used for the [illegible] concentration. Figure [illegible] of humates in the solid [illegible] lated humates. Conclusion [illegible] 2 types of natural and [illegible]

Card 2/3

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

SOV/ [illegible]

A Study of the Coagulation of Sodium Humate Solutions

There are 1 graph and 3 Soviet references.

ASSOCIATION: Institut obshchey i neorg. khimii AN USSR (Institute of General and Inorganic Chemistry of the AS UkrSSR)

PRESENTED: By A.V. Dumanskiy, Member of the AS UkrSSR

SUBMITTED: December 22, 1958

Card 3/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

AUTHORS: Nekryach, Ye.F., Natanson, E.M. SOV/80-32-2-20/56

TITLE: Concentration of Sodium Humate Solutions (Kontsentrirovaniye rastvorov gumatov natriya)

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Vol XXXII, [illegible], pp 350-353 (USSR)

ABSTRACT: The production of basic humate solutions in a concentrated form is an important problem of lignite mining. The concentration may be carried out by removing the excess of water chemically or by evaporation. The addition of sodium salts to humate solutions causes their coagulation. After removal of the liquid phase from the gel-like precipitates of sodium humates their peptisation ability in water without preliminary washing has been tested. If 1 volume of saturated salt solution is added to 4 volumes of basic humate solution, nearly all humates are precipitated. These precipitates peptise spontaneously in water.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

Concentration of Sodium Humate Solutions SOV/80-32-2-20/55

There is 1 graph, 1 table, and 2 Soviet references.

ASSOCIATION: Institute of General and Inorganic Chemistry of the Ukr SSR Academy of Sciences (Institut obshchey i neorganicheskoy khimii AN Ukr SSR)

SUBMITTED: July 19, 1957

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

NEKRYACH, Yevgeniy Fedorovich [Nekriach, IE.F.]; KILLEROG, M.M. [Killeroh, M.M.], red.izd-va; LISOVETS, O.M. [Lysovets', O.M.], tekhn.red.

[Artificial and syntehtic fibers] Shtuchnye ta syntetychne volokno. Kyiv, Vyd-vo Akad.nauk URSR, 1960. 64 p. (MIRA 13:12)
(Textile fibers, Synthetic)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2

S/069/60/022/03/05/019
B004/B007

AUTHORS: Nekryach, Ye. F., Samchenko, Z. A.

TITLE: Sorption of Water Vapor and the Wetting Heat of Some Polyamides

PERIODICAL: Kolloidnyy zhurnal, 1960, Vol. 22, No. 3, pp. 288 - 292

TEXT: It was the aim of the present paper to carry out a comparative investigation of the sorption and hydrophile properties of polycaprolactam (Capron)[1] and polyhexamethyleneadipamide (Anid).[2] In these compounds one carbamide group corresponds to the same number of methylene groups, but they differ in structure. Capron was supplied by the Kiyevskiy zavod iskusstvennogo shelka (Kiyev Rayon Factory) and Anid by the Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna (All-Union Scientific Research Institute of Synthetic Fibers). First, powders of these resins were produced partly by mechanical grinding and partly by precipitation from a solution of $CaCl_2$ in methanol. The sorption isothermal lines were determined pycnometrically at 20°C

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(Ref. 6), the wetting heats at 20°C in an adiabatic calorimeter (Refs. 7-9). A table shows (for Capron) the dependence of the wetting heat on the manner of producing the powder (mechanically ground or precipitated) and on the manner of drying (in air at 110°C, in a vacuum at 60 or 100°C). Further experiments were carried out only with precipitates which had been dried in a vacuum at 60°C. The following experimental data are given: Fig. 1: Isothermal lines of the sorption of water vapor by Capron and Anid; Fig. 2: Wetting heats; Fig. 3: Differential wetting heats. Herefrom the authors draw the following conclusions: 1) At a relative moisture p/p_s of up to 0.85 hardly any difference is observed between the isothermal lines of the sorption of water vapor by Capron or Anid. 2) No difference was further observed between the wetting heats of the two substances. 3) The calculated differential wetting heats (q_{diff}) show that the curve $q_{diff} = f(x)$ has two sections with constant values, which correspond to the hydration heats of the free carbamide groups as well as to the heat liberated by other processes. The same quantity of bound water corresponds to one carbamide group of Capron or Anid, respectively. The structural difference

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between the two polyamides is without influence upon their hydrophile nature. 4) Determination of the quantity x_c of bound water from the equation $x_c = q_{integr}/80$ leads to the same values, irrespective of the fact whether for q_{integr} the experimental data or the values calculated from the change in q_{diff} are put. The authors mention a paper by N. V. Mikhaylow and E. Z. Faynberg (Ref. 3), and thank A. V. Dumanskiy, Academician of the AS UkrSSR, for his advice. There are 3 figures, 1 table, and 11 references: 10 Soviet and 1 American.

ASSOCIATION: Institut obshchey i neorganicheskoy khimii AN USSR, Kiyev (Institute of General and Inorganic Chemistry of the AS UkrSSR, Kiyev)

SUBMITTED: February 25, 1960

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001136510002-2"